IEC規格 --- 2019-7月 新刊情報 ---

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11 医療技術

規格番号	原文標題	邦訳標題(参考訳)	概要(英語)	制定年月日	定価(本体価格)
IEC 63009 Ed. 1.0:2019	Ultrasonics - Physiotherapy systems - Field specifications and methods of measurement in the frequency range 20 kHz to 500 kHz	超音波－地学療法システム－20 kHz～500 kHzの周波数範囲における現場仕様及び測定方法	IEC 63009:2019 is applicable to ultrasonic equipment designed for physiotherapy containing an ultrasonic transducer generating ultrasound in the frequency range 20 kHz to 500 kHz.This document only relates to ultrasonic physiotherapy equipment employing a single plane non-focusing circular transducer per treatment head, producing static beams perpendicular to the face of the treatment head.This document specifies:methods of measurement and characterization of the output of ultrasonic physiotherapy equipment based on reference testing methods;characteristics to be specified by manufacturers of ultrasonic physiotherapy equipment;methods of measurement and characterization of the output of ultrasonic physiotherapy equipment based on routine testing methods;acceptance criteria for aspects of the output of ultrasonic physiotherapy equipment.The therapeutic value and methods of use of ultrasonic physiotherapy equipment are not within the scope of this document.Excluded equipment includes, but is not limited to:equipment in which ultrasound waves are intended to destroy conglomerates (for example stones in the kidneys or the bladder) or tissue of any type;equipment in which a tool is driven by ultrasound (for example surgical scalpels, phacoemulsifiers, dental scalers or intracorporeal lithotripters);equipment in which ultrasound waves are intended to sensitize tissue to further therapies (for example radiation or chemotherapy);equipment in which ultrasound waves are intended to treat cancerous (i.e., malignant) or pre-cancerous tissue, or benign masses, such as High Intensity Focused Ultrasound (HIFU) or High Intensity Therapeutic Ultrasound (HITU).	20190711	25,920円（本体24,000円）
IEC 80601-2-60 Ed. 2.0:2019	Medical electrical equipment - Part 2-60: Particular requirements for the basic safety and essential performance of dental equipment	医用電気機器－第2-60部:歯科用機器の基本的安全性及び必須性能の特定要求事項	IEC 80601-2-60:2019 applies to the BASIC SAFETY and ESSENTIAL PERFORMANCE OF DENTAL UNITS, DENTAL PATIENT CHAIRS, DENTAL HANDPIECES AND DENTAL OPERATING LIGHTS, hereafter referred to as DENTAL EQUIPMENT.If a clause or subclause is specifically intended to be applicable to ME EQUIPMENT only, or to ME SYSTEMS only, the title and content of that clause or subclause will say so. If that is not the case, the clause or subclause applies both to ME EQUIPMENT and to ME SYSTEMS, as relevant.HAZARDS inherent in the intended physiological function of ME EQUIPMENT or ME SYSTEMS within the scope of this document are not covered by specific requirements in this document except in 7.2.13 and 8.4.1 of the general standard.IEC 80601-2-60:2019 cancels and replaces the first edition published in 2012. This edition constitutes a technical revision.This edition includes the following significant technical changes with respect to the previous edition:a) alignment with IEC 60601-1:2005 and IEC 60601-1:2005/AMD1:2012.	20190627	31,104円（本体28,800円）
IEC 80601-2-77 Ed. 1.0:2019	Medical electrical equipment - Part 2-77: Particular requirements for the basic safety and essential performance of robotically assisted surgical equipment	医用電気機器－第2-77部:ロボット支援された外科手術用機器の基礎安全及び基本性能の特定要求事項	IEC 80601-2-77:2019 applies to the BASIC SAFETY and ESSENTIAL PERFORMANCE of ROBOTICALLY ASSISTED SURGICAL EQUIPMENT (RASE) and ROBOTICALLY ASSISTED SURGICAL SYSTEMS (RASS), referred to as ME EQUIPMENT and ME SYSTEMS together with their INTERACTION CONDITIONS and INTERFACE CONDITIONS.	20190709	34,992円（本体32,400円）
IEC 80601-2-78 Ed. 1.0:2019	Medical electrical equipment - Part 2-78: Particular requirements for basic safety and essential performance of medical robots for rehabilitation, assessment, compensation or alleviation	医用電気機器－第2-78部:リハビリテーション，アセスメント，補償又は緩和のための医療ロボットの基礎安全及び基本性能の特定要求事項	IEC 80601-2-78:2019 applies to the general requirements for BASIC SAFETY and ESSENTIAL PERFORMANCE of MEDICAL ROBOTS that physically interact with a PATIENT with an IMPAIRMENT to support or perform REHABILITATION, ASSESSMENT, COMPENSATION or ALLEVIATION related to the PATIENT S MOVEMENT FUNCTIONS, as intended by the MANUFACTURER.IEC 80601-2-78:2019 does not apply to external limb prosthetic devices (use ISO 22523),electric wheelchairs (use ISO 7176 (all parts)),diagnostic imaging equipment (e.g. MRI, use IEC 60601-2-33), and personal care ROBOTS (use ISO 13482).	20190709	38,880円（本体36,000円）

13 環境．健康予防．安全

規格番号	原文標題	邦訳標題(参考訳)	概要(英語)	制定年月日	定価(本体価格)

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IEC 62676-2-31 Ed. 1.0:2019	Video surveillance systems for use in security applications - Part 2-31: Live streaming and control based on web services	セキュリティ用途のビデオ監視システム－第2-31部:ウェブサービスに基づくライブストrーミング及び制御	IEC 62676-2-31:2019 defines procedures for communication between network video clients and video transmitter devices. This new set of specifications makes it possible to build network video systems with devices and receivers from different manufacturers using common and well-defined interfaces.These interfaces cover functions such as media and imaging configuration, real-time streaming of audio and video, pan, tilt and zoom (PTZ) control as well as analytics.The management and control interfaces defined in this document are described as web services. Annex F contains XML schema and Web Service Description Language (WSDL) definitions for the introduced network services.This first edition, together with IEC 60839-11-31 and IEC 62676-2-32, cancels and replaces IEC 62676-2-3:2013. This edition includes the following significant technical changes with respect to IEC 62676-2-3:2013:a) addition of the Media2 service;b) additional methods for the imaging service;c) method duplicates from the device IO service have been removed;d) both the display and analytics device service are no more included.	20190626	45,360円（本体42,000円）
IEC 62676-2-32 Ed. 1.0:2019	Video surveillance systems for use in security applications - Part 2-32: Recording control and replay based on web services	セキュリティ用途のビデオ監視システム－第2-32部:ウェブサービスに基づく録画制御及び再生	IEC 62676-2-32:2019 specifies the web service interface for the configuration of the recording of video, audio and metadata. Additionally, associated events are defined.Web service usage is outside the scope of this document. Please refer to the IEC 60839-11-31 for more information.This first edition, together with IEC 60839-11-31 and IEC 62676-2-31, cancels and replaces IEC 62676-2-3:2013. This edition includes the following significant technical changes with respect to IEC 62676-2-3:2013:a) an export file format has been added.	20190626	41,472円（本体38,400円）
IEC/TR 62757 Ed. 1.1:2019	Fire prevention measures on converters for high-voltage direct current (HVDC) systems, static var compensators (SVC) and flexible AC transmission systems (FACTS) and their valve halls	高電圧直流(HVDC)システム，静止型無効電力補償装置(SVC)及びフレキシブル交流伝送システム(FACTS)用コンバータ並びにそのバルブホールに対する防火対策	IEC TR 62757:2015+A1:2019, which is a technical report, deals with fire prevention measures on converters and their valve halls for high voltage direct current (HVDC) systems, static VAR compensators (SVC) and flexible AC transmission systems (FACTS). It is intended to be primarily for the use of the utilities and consultants who are responsible for issuing technical specifications for new converter valves and valve halls. It concerns fire incidents in HVDC projects using line commutated converters (LCC) or voltage sourced converter (VSC) technology and it is from these projects that most examples of fires and fire incidents are taken. This technical report also addresses converter valves and valve halls for SVC and FACTS. This technical report provides general recommendations to be considered while preparing specifications for these systems. Specific requirements for a particular project need to be clearly specified and mutually agreed upon between the supplier and the purchaser. This consolidated version consists of the first edition (2015) and its amendment 1 (2019). Therefore, no need to order amendment in addition to this publication.	20190704	51,840円（本体48,000円）
IEC/TR 62757 Amd.1 Ed. 1.0:2019	Amendment 1 - Fire prevention measures on converters for high-voltage direct current (HVDC) systems, static var compensators (SVC) and flexible AC transmission systems (FACTS) and their valve halls	修正票1－高電圧直流(HVDC)システム，静止型無効電力補償装置(SVC)及びフレキシブル交流伝送システム(FACTS)用コンバータ並びにそのバルブホールに対する防火対策		20190704	2,592円（本体2,400円）

19 試験

規格番号	原文標題	邦訳標題(参考訳)	概要(英語)	制定年月日	定価(本体価格)
IEC 60068-2-67 Ed. 1.1:2019	Environmental testing - Part 2-67: Tests - Test Cy: Damp heat, steady state, accelerated test primarily intended for components	環境試験－第2-67部:試験－試験Cy:耐湿，定常状態で主として構成部品を対象とした加速試験	IEC 60068-2-67:1995+A1:2019 provides a standard test procedure for the purpose of evaluating, in an accelerated manner, the resistance of small electrotechnical products, primarily non-hermetically sealed components, to the deteriorative effect of damp heat. The test is not intended to evaluate external effects such as corrosion and deformation. It has the status of a horizontal standard in accordance with IEC Guide 104. This consolidated version consists of the first edition (1995) and its amendment 1 (2019). Therefore, no need to order amendment in addition to this publication.	20190702	8,424円（本体7,800円）
IEC 60068-2-67 Amd.1 Ed. 1.0:2019	Amendment 1 - Environmental testing - Part 2-67: Tests - Test Cy: Damp heat, steady state, accelerated test primarily intended for components	修正票1－環境試験－第2-67部:試験－試験Cy:耐湿，定常状態で主として構成部品を対象とした加速試験		20190702	1,296円（本体1,200円）
IEC 60068-2-85 Ed. 1.0:2019	Environmental testing — Part 2-85: Tests－Test Fj: Vibration - Long time history replication	環境試験－第2-85部:試験－試験Fj:振動－長時間履歴応答	IEC 60068-2-85:2019 demonstrates the adequacy of specimens to resist dynamic loads without unacceptable degradation of its functional and/or structural integrity when subjected to the specified vibration test requirements as defined by a time history (long time history replication). These can either be recorded in measurement exercises or generated artificially. In both cases, this method allows for generating a test tailored to very specific applications.	20190620	18,144円（本体16,800円）

IEC 61010-2-032 Ed. 4.0:2019	Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-032: Particular requirements for hand-held and hand-manipulated current sensors for electrical test and measurement	計測，制御及び試験所用電気機器の安全要求事項－第2-032部：電気試験及び計測用手持ち形及び手動操作形電流センサの特定要求事項	IEC 61010-2-032:2019 is available as IEC 61010-2-032:2019 RLV which contains the International Standard and its Redline version, showing all changes of the technical content compared to the previous edition.IEC 61010-2-032:2019 specifies safety requirements for hand-held and hand-manipulated current sensors described below. These current sensors are for measuring, detecting or injecting current, or indicating current waveforms on circuits without physically opening the current path of the circuit being measured. They can be stand-alone current sensors or accessories to other equipment or parts of combined equipment (see Figure 101). These include measurement circuits which are part of electrical test and measurement equipment, laboratory equipment, or process control equipment. These current sensors and circuits need additional protective means between the current sensor, the circuit and an operator. This fourth edition cancels and replaces the third edition published in 2012. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: It has been indicated that current sensors used as fixed equipment are not within the scope of this document. Fork-style current sensors have been added. Requirements from Part 2-033 applicable to clamp multimeters that have a primary purpose of measuring voltage on live mains have been included in the new normative Annex EE. Clearances and creepage distances for measuring circuit terminals exceeding 1 000 V a.c. or 1 414 V d.c. and for wet locations have been specified. Reduced creepage distances are allowed to be according to material group I for all insulating materials.	20190621	38,880円（本体36,000円）
IEC 61010-2-032 Ed. 4.0:2019 RLV (Redline version)	Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-032: Particular requirements for hand-held and hand-manipulated current sensors for electrical test and measurement	計測，制御及び試験所用電気機器の安全要求事項－第2-032部：電気試験及び計測用手持ち形及び手動操作形電流センサの特定要求事項	IEC 61010-2-032:2019 RLV contains both the official IEC International Standard and its Redline version. The Redline version is not an official document, it is available in English only and provides you with a quick and easy way to compare all the changes between the official IEC Standard and its previous edition.IEC 61010-2-032:2019 specifies safety requirements for hand-held and hand-manipulated current sensors described below. These current sensors are for measuring, detecting or injecting current, or indicating current waveforms on circuits without physically opening the current path of the circuit being measured. They can be stand-alone current sensors or accessories to other equipment or parts of combined equipment (see Figure 101). These include measurement circuits which are part of electrical test and measurement equipment, laboratory equipment, or process control equipment. These current sensors and circuits need additional protective means between the current sensor, the circuit and an operator. This fourth edition cancels and replaces the third edition published in 2012. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: It has been indicated that current sensors used as fixed equipment are not within the scope of this document. Fork-style current sensors have been added. - Requirements from Part 2-033 applicable to clamp multimeters that have a primary purpose of measuring voltage on live mains have been included in the new normative Annex EE. Clearances and creepage distances for measuring circuit terminals exceeding 1 000 V a.c. or 1 414 V d.c. and for wet locations have been specified.	20190621	50,544円（本体46,800円）

25 生産工学

規格番号	原文標題	邦訳標題(参考訳)	概要(英語)	制定年月日	定価(本体価格)
IEC 62841-3-4 Amd.1 Ed. 1.0:2019	Amendment 1 - Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-4: Particular requirements for transportable bench grinders	修正票1－電動式手持ち形，可搬形工具並びに芝生及び庭園用機械－安全性－第3-4部：可搬形卓上研磨機の特定要求事項		20190702	1,296円（本体1,200円）
IEC 62841-3-4 Ed. 1.1:2019	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-4: Particular requirements for transportable bench grinders	電動式手持ち形，可搬形工具並びに芝生及び庭園用機械－安全性－第3-4部：可搬形卓上研磨機の特定要求事項	IEC 62841-3-4:2016+A1:2019 applies to transportable bench grinders that can be equipped with one or two accessories as follows: type 1 grinding wheels in accordance with ISO 603-4:1999 with a diameter not exceeding 310 mm and a thickness not exceeding 55 mm; wire brushes with a diameter not exceeding 310 mm and a thickness not exceeding 55 mm; polishing wheels with a diameter not exceeding 310 mm and with a peripheral speed of any accessory between 10 m/s and 50 m/s. The attention of National Committees is drawn to the fact that equipment manufacturers and testing organizations may need a transitional period following publication of a new, amended or revised IEC publication in which to make products in accordance with the new requirements and to equip themselves for conducting new or revised tests. It is the recommendation of the committee that the content of this publication be adopted for implementation nationally not earlier than 36 months from the date of publication. This publication is to be read in conjunction with IEC 62841-1:2014. The contents of the corrigendum of December 2016 have been included in this copy.This consolidated version consists of the first edition (2016) and its amendment 1 (2019). Therefore, no need to order amendment in addition to this publication.Keywords: Bench Grinder, Hand-held tool, Transportable tool	20190702	25,920円（本体24,000円）

27 エネルギー及び熱伝達工学

規格番号	原文標題	邦訳標題(参考訳)	概要(英語)	制定年月日	定価(本体価格)

IEC 61400-24 Ed. 2.0:2019	Wind energy generation systems - Part 24: Lightning protection	風力発電システム－第24部：避雷	IEC 61400-24:2019 applies to lightning protection of wind turbine generators and wind power systems. Refer to guidelines for small wind turbines in annex.This document defines the lightning environment for wind turbines and risk assessment for wind turbines in that environment. It defines requirements for protection of blades, other structural components and electrical and control systems against both direct and indirect effects of lightning. Test methods to validate compliance are included.Guidance on the use of applicable lightning protection, industrial electrical and EMC standards including earthing is provided.This second edition cancels and replaces the first edition, published in 2010. This edition includes the following significant technical changes with respect to the previous edition:a) it is restructured with a main normative part, while informative information is placed in annexes.	20190703	41,472円（本体38,400円）
IEC/TS 62600-20 Ed. 1.0:2019	Marine energy - Wave, tidal, and other water current converters - Part 20: Design and analysis of an Ocean Thermal Energy Conversion (OTEC) plant - General guidance	海洋エネルギー －波，潮差及びその他の海流コンバータ －第20部：海洋温度差発電(OTEC)プラントの設計及び分析－－般手引	IEC TS 62600-20:2019 establishes general principles for design assessment of OTEC plants. The goal is to describe the design and assessment requirements of OTEC plants used for stable power generation under various conditions. This electricity may be used for utility supply or production of other energy carriers. The intended audience is developers, engineers, bankers, venture capitalists, entrepreneurs, finance authorities and regulators.This document is applicable to land-based (i.e. onshore), shelf-mounted (i.e. nearshore seabed mounted) and floating OTEC systems. For land-based systems the scope of this document ends at the main power export cable suitable for connection to the grid. For shelf-mounted and floating systems, the scope of this document normally ends at the main power export cable where it connects to the electrical grid.This document is general and focuses on the OTEC specific or unique components of the power plant, particularly the marine aspects of the warm and cold water intake systems. Other established standards are referenced to address common components between the OTEC system and other types of power plants and floating, deep water oil and gas production vessels, such as FPSOs and FLNG systems. Relevant standards are listed within this document as appropriate.	20190618	31,104円（本体28,800円）
IEC/TS 62600-40 Ed. 1.0:2019	Marine energy - Wave, tidal and other water current converters - Part 40: Acoustic characterization of marine energy converters	海洋エネルギー －波，潮差及びその他の海流コンバータ －第40部：海洋エネルギーコンバータの音響特性解析	IEC TS 62600-40:2019 provides uniform methodologies to consistently characterize the sound produced by the operation of marine energy converters that generate electricity, including wave, current, and ocean thermal energy conversion. This document does not include the characterization of sound associated with installation, maintenance, or decommissioning of these converters, nor does it establish thresholds for determining environmental impacts. Characterization refers to received levels of sound at particular ranges, depths, and orientations to a marine energy converter.The scope of this document encompasses methods and instrumentation to characterize sound near marine energy converters, as well as the presentation of this information for use by regulatory agencies, industry, and researchers. Guidance is given for instrumentation calibration, deployment methods around specific types of marine energy converters, analysis procedures, and reporting requirements.This document is applicable to characterization of sound from individual converters and arrays. This document primarily describes measurement procedures for individual converters, with extension to arrays discussed in informative Annex.	20190618	31,104円（本体28,800円）
IEC 63202-1 Ed. 1.0:2019	Photovoltaic cells - Part 1: Measurement of light-induced degradation of crystalline silicon photovoltaic cells	太陽電池－第1部：結晶シリコン太陽電池の光誘起劣化の測定	IEC 63202-1:2019 describes procedures for measuring the light-induced degradation (LID) of crystalline silicon photovoltaic (PV) cells in simulated sunlight. The magnitude of LID in a crystalline silicon PV cell is determined by comparing maximum output power at Standard Test Conditions (STC) before, and after, exposure to simulated sunlight at a specified temperature and irradiance.The purpose of this document is to provide standardized PV cell LID information to help PV module manufacturers in minimizing the mismatch between cells within the same module, thereby maximizing power yield.	20190620	5,184円（本体4,800円）
IEC/TR 63228 Ed. 1.0:2019	Measurement protocols for photovoltaic devices based on organic, dye-sensitized or perovskite materials	有機，色素増感又はペロブスカイト材料に基づく光起電装置の測定プロトコル	IEC TR 63228:2019 summarises present perspectives on the performance evaluation of emerging PV technologies, specifically OPV, DSC and PSC devices. These devices present some challenges for accurate measurement under the existing IEC 60904 series of standards, which were developed in the context of silicon wafer solar cells. These challenges can be different for different devices, but in general they arise due to one or more of the following: - instability in performance over time; unusual spectral responsivity; small device size; difficulty in measuring temperature; a transient response to external stimulus; optical interference effects; and a non-linear current response to irradiance. These challenges can lead to the cell output in laboratory testing being significantly different to the output that would be observed in a real application.The primary focus of the report is measurement of the current-voltage (I V) relationship under illumination for the purpose of determining the device output power, or power conversion efficiency. Where appropriate, the report makes reference to the IEC 60904 series which describes the standard approach to measuring the performance of all PV devices. The report also references existing published standards that seek to accommodate OPV, DSC or PSC devices.	20190708	25,920円（本体24,000円）

29 電気工学

規格番号	原文標題	邦訳標題(参考訳)	概要(英語)	制定年月日	定価(本体価格)
IEC 60034-18-41 Amd.1 Ed. 1.0:2019	Amendment 1 - Rotating electrical machines - Part 18-41: Partial discharge free electrical insulation systems (Type I) used in electrical rotating machines fed from voltage converters - Qualification and quality control tests	修正票1－回転電気機械－第18-41部：電圧変換器から給電される回転電気機械に用いる部分放電のない電気絶縁システム(タイプI)－適格性及び品質管理試験		20190625	2,592円（本体2,400円）

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IEC 60034-18-41 Ed. 1.1:2019	Rotating electrical machines - Part 18-41: Partial discharge free electrical insulation systems (Type I) used in electrical rotating machines fed from voltage converters - Qualification and quality control tests	回転電気機械－第18-41部：電圧変換器から給電される回転電気機械に用いる部分放電のない電気絶縁システム(タイプI)－適格性及び品質管理試験	IEC 60034-18-41:2014+A1:2019 defines criteria for assessing the insulation system of stator/rotor windings which are subjected to voltage-source pulse-width-modulation drives. It applies to stator/rotor windings of single or polyphase AC machines with insulation systems for converter operation. It describes qualification tests and quality control (type and routine) tests on representative samples or on completed machines which verify fitness for operation with voltage source converters. This consolidated version consists of the first edition (2014) and its amendment 1 (2019). Therefore, no need to order amendment in addition to this publication.	20190625	45,360円（本体42,000円）
IEC 60061-1 Amd.59 Ed. 3.0:2019	Amendment 59 - Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 1: Lamps caps	修正票59－互換性及び安全性の管理のためのゲージを備えたランプキャップ及びソケット－第1部：ランプキャップ		20190708	5,184円（本体4,800円）
IEC 60061-3 Amd.56 Ed. 3.0:2019	Amendment 56 - Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 3: Gauges	修正票56－互換性及び安全性の管理のためのゲージを備えたランプキャップ及びソケット－第3部：ゲージ		20190708	22,032円（本体20,400円）
IEC 60079-0ISH2 Ed. 7.0:2019	Interpretation Sheet 2 - Explosive atmospheres - Part 0: Equipment - General requirements	解説シート2－爆発性雰囲気－第0部：機器－一般要求事項		20190627	-
IEC/IEEE 60214-2 Ed. 2.0:2019	Tap-changers - Part 2: Application guidelines	タップ切換器－第2部：適用の指針	IEC/IEEE 60214-2:2019 is published as an IEC/IEEE Dual Logo standard and is intended to assist in the selection of tap-changers designed in accordance with IEC 60214-1 or IEEE Std C57.131 for use in conjunction with the tapped windings of transformers or reactors. Requirements, references and definitions relevant to either IEC 60214-1 or IEEE Std C57.131 are given and their use is described in Clause 4. It is also intended to assist in understanding the various types of tap-changers and their associated equipment available. These application guidelines cover on-load tap-changers (resistor and reactor types) and de-energized tap-changers. This second edition cancels and replaces the first edition published in 2004. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition:a) title has been updated from "Application guide" to "Application guidelines";b) tap-changers for gas-filled transformers have been added;c) description of typical circuits for regulation has been added;d) description of basic arrangements of tapped windings with on-load tap-changers and de-energized tap-changers has been added;e) types of tap-changers are explained in more detail (e.g. vacuum type on-load tap-changer) and new types have been added (e.g. step-voltage regulator, advance retard switch (ARS), on-load tap-changers for distribution transformers);f) selection of tap-changers (on-load and de-energized) are described in more detail with respect to applications and parameters, which have to be considered (e.g. current wave shapes, operating pressure, temperature conditions, overloading conditions, continuous consecutive operations);g) storage and installation has been considered;	20190614	38,880円（本体36,000円）
IEC 60947-2 Amd.1 Ed. 5.0:2019	Amendment 1 - Low-voltage switchgear and controlgear - Part 2: Circuit-breakers	修正票1－低電圧開閉装置及び制御装置－第2部：回路遮断器		20190708	42,768円（本体39,600円）
IEC 60947-2 Ed. 5.1:2019	Low-voltage switchgear and controlgear - Part 2: Circuit-breakers	低電圧開閉装置及び制御装置－第2部：回路遮断器	IEC 60947-2:2016+A1:2019 applies to circuit-breakers, the main contacts of which are intended to be connected to circuits, the rated voltage of which does not exceed 1 000 V a.c. or 1 500 V d.c.; it also contains additional requirements for integrally fused circuit-breakers. This fifth edition cancels and replaces the fourth edition published in 2006, Amendment 1:2009 and Amendment 2:2013. This edition constitutes a technical revision. This edition includes the following significant additions with respect to the previous edition: tests for verification of selectivity in Annex A (see A.5.3); critical load current tests for d.c. circuit-breakers (see 8.3.9); new Annex P for circuit-breakers for use in photovoltaic applications; new Annex R for residual-current circuit-breakers with automatic reclosing functions. The contents of the corrigendum of November 2016 have been included in this copy. This consolidated version consists of the fifth edition (2016) and its amendment 1 (2019). herefore, no need to order amendment in addition to this publication.	20190708	116,640円（本体108,000円）
IEC 61482-1-1 Ed. 2.0:2019	Live working - Protective clothing against the thermal hazards of an electric arc - Part 1-1: Test methods - Method 1: Determination of the arc rating (ELIM, ATPV and/or EBT) of clothing materials and of protective clothing using an open arc	活線作業－電気アークの熱的危険に対する保護用着衣－第1-1部：試験方法－方法1：オープンアークを使用する着衣材料及び保護用着衣のアーク定格(ELIM, ATPV及び/又はEBT)の求め方	IEC 61482-1-1:2019 specifies test method procedures to determine the arc rating of flame resistant clothing materials and garments or assemblies of garments intended for use in clothing for workers if there is an electric arc hazard.An open arc under controlled laboratory conditions is used to determine the values of ELIM, ATPV or EBT of materials, garments or assemblies of garments.NOTE 1 The user can, if he desires, classify the arc protective performance into arc rating protection levels based on ELIM, ATPV and/or EBT values which correspond best to the different hazard and risks levels that can result from the user s risk analysis.NOTE 2 This document is not dedicated to classifying the arc protective performance of the material and clothing into arc protection classes. Procedures determining these arc protection classes APC1 and APC2 are specified in IEC 61482 1-2, which uses a constrained arc for testing. NOTE 3 This test method is not intended and not appropriate to evaluate whether materials or garments are flame resistant or not, as this is covered in IEC 61482-2.Other effects than the thermal effects of an electric arc like noise, light emissions, pressure rise, hot oil, electric shock, the consequences of physical and mental shock or toxic influences are not covered by this document.Protective clothing for work intentionally using an electric arc, e.g. arc welding, plasma torch, is not covered by this document.This second edition cancels and replaces the first edition published in 2009. This edition constitutes a technical revision.	20190703	38,880円（本体36,000円）

IEC 61643-32 Ed. 1.0 b Cor.1:2019	Corrigendum 1 - Low-voltage surge protective devices - Part 32: Surge protective devices connected to the d.c. side of photovoltaic installations - Selection and application principles	正誤票1－低電圧サージ保護装置－第32部：太陽光発電設備のd.c.側に接続したサージ保護装置－選択及び適用の原則		20190617	-
IEC 61810-10 Ed. 1.0:2019	Electromechanical elementary relays - Part 10: Additional functional aspects and safety requirements for high-capacity relays	電磁式エレメンタリリレー－第10部：大容量リレーの追加機能的側面及び安全要求事項	IEC 61810-10:2019, with functional and safety aspects, applies to electromechanical elementary relays (non-specified time all-or-nothing relays) with high capability requirements like breaking or short circuit capabilities and similar for incorporation into low-voltage equipment. These relays may have a specific design to extinguish the electric arc between contacts (e.g. by magnetic blow-out), or use an insulation coordination not covered by IEC 61810-1 (e.g. by gas filled contact chambers), or require safety assessments not covered by IEC 61810-1 (e.g. for higher loads).It defines additional requirements for high-capacity relays with generic performance intended for use in applications in smart grids, electric vehicles and other applications where, for example, battery charge/discharge switching is used, such as:electrical energy storage (EES) systems,solar photovoltaic energy systems,electric road vehicles (EV) and electric industrial trucks,power electronic systems and equipment,secondary cells and batteries,road vehicles.Compliance with the requirements of this standard is verified by the type tests indicated.	20190711	38,880円（本体36,000円）
IEC 62026-2 Ed. 2.1:2019	Low-voltage switchgear and controlgear - Controller-device interfaces (CDIs) - Part 2: Actuator sensor interface (AS-i)	低電圧開閉装置及び制御装置－コントローラ-装置間インタフェース(CDIs)－第2部：アクチュエータセンサインタフェース(AS-i)	IEC 62026-2:2008+A1:2019 specifies a method for communication between a single control device and switching elements, and establishes a system for the interoperability of components with the specified communication interfaces. The complete system is called ""Actuator Sensor interface (AS-i)"". This second edition of IEC 62026-2 cancels and replaces the first edition published in 2000. It constitutes a technical revision. The main changes with respect to the previous edition are listed below: doubling the number of slaves from 31 to 62 by introduction of sub-addresses; introduction of AS-I safety system. This consolidated version consists of the second edition (2008) and its amendment 1 (2019). Therefore, no need to order amendment in addition to this publication.	20190710	64,800円（本体60,000円）
IEC 62026-2 Amd.1 Ed. 2.0:2019	Amendment 1 - Low-voltage switchgear and controlgear - Controller-device interfaces (CDIs) - Part 2: Actuator sensor interface (AS-i)	修正票1－低電圧開閉装置及び制御装置－コントローラ-装置間インタフェース(CDIs)－第2部：アクチュエータセンサインタフェース(AS-i)		20190710	2,592円（本体2,400円）
IEC 62271-214 Ed. 1.0:2019	High-voltage switchgear and controlgear - Part 214: Internal arc classification for metal-enclosed pole-mounted switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV	高電圧開閉装置及び制御装置－第214部：定格電圧が1 kV超，52 kV以下用の金属閉鎖型柱上開閉装置及び制御装置の内部アーク分類	IEC 62271-214:2019 specifies requirements for internal arc classification of metal-enclosed pole-mounted switchgear installations used for alternating current with rated voltages above 1 kV and up to and including 52 kV with service frequencies up to and including 60 Hz. This document is applicable to three-phase, two-phase and single phase equipment. Enclosures may include fixed and removable components and may be filled with fluid (liquid or gas) to provide insulation.	20190620	25,920円（本体24,000円）
IEC 62990-1 Ed. 1.0:2019	Workplace atmospheres - Part 1: Gas detectors Performance requirements of detectors for toxic gases	作業環境大気－第1部：ガス検出器－有毒ガス用検出器の性能要求事項	IEC 62990-1:2019 specifies general requirements for design, function and performance, and describes the test methods that apply to portable, transportable, and fixed equipment for the detection and concentration measurement of toxic gases and vapours in workplace atmospheres and other industrial and commercial applications.This document is applicable to continuously sensing equipment whose primary purpose is to provide an indication, alarm and/or other output function the purpose of which is to indicate the presence of a toxic gas or vapour in the atmosphere and in some cases to initiate automatic or manual protective action(s). It is applicable to equipment in which the sensor generates an electrical signal when gas is present.This document applies to two types of equipment: Type HM (Health Monitoring) 'occupational exposure' equipment:For occupational exposure measurement, the performance requirements are focused on uncertainty of measurement of gas concentrations in the region of Occupational Exposure Limit Values (OELV). The upper limit of measurement will be defined by the manufacturer in accordance with 4.2.1. Type SM (Safety Monitoring) 'general gas detection' equipment:For general gas detection applications (e.g. safety warning, leak detection), the performance requirements are focused on alarm signalling. The upper limit of measurement will be defined by the manufacturer according to the intended use of the equipment.In general, the requirements for accuracy will be higher for Type HM equipment than for Type SM equipment. The same equipment may meet the requirements of both Type HM and Type SM.For equipment used for sensing the presence of multiple gases this document applies only to the detection of toxic gas or vapour.	20190626	38,880円（本体36,000円）

IEC/TR 63037 Ed. 2.0:2019	Electrical interface specifications for self ballasted lamps and controlgear in phase-cut dimmed lighting systems	安定器内蔵型ランプ及び位相制御型調光システムの電気インタフェース仕様	IEC TR 63037:2019 is available as IEC TR 63037:2019 RLV which contains the International Standard and its Redline version, showing all changes of the technical content compared to the previous edition.IEC TR 63037:2019 provides guidance to controlgear/integrated lamp designers for the development of products suitable to operate with future phase-cut dimmers. It describes the possible voltage signals and the expected response of the controlgear/integrated lamps. This document describes the expected response of controlgear during all operation states of a phase-cut lighting system and provides a complete understanding of the requirements for phase-cut dimmers. The response of a phase-cut dimmer is described in IEC 60669-2 1: , Annex EE. This document specifies the system performance aspects and test procedures for the control by mains voltage phase-cut dimming of the brightness of mains operated electronic lighting equipment intended to be controlled by mains voltage phase-cut dimmers, such as LED integrated lamps and light sources with external controlgear. Safety requirements are not covered by this document, but by respective product standards. This second edition cancels and replaces the first edition published in 2016. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: emission of audible noise; ghosting caused by issues that are not related to the power supply of the dimmer or synchronization; stability of phase angle waveform (for the dimmer), including symmetry and stability tests; flicker of light loads; repetitive ring up voltage; dimming range; and number of switching cycles have been added.	20190710	25,920円（本体24,000円）
IEC/TR 63037 Ed. 2.0:2019 RLV (Redline version)	Electrical interface specifications for self ballasted lamps and controlgear in phase-cut dimmed lighting systems	安定器内蔵型ランプ及び位相制御型調光システムの電気インタフェース仕様	IEC TR 63037:2019 is available as IEC TR 63037:2019 RLV which contains the International Standard and its Redline version, showing all changes of the technical content compared to the previous edition.IEC TR 63037:2019 provides guidance to controlgear/integrated lamp designers for the development of products suitable to operate with future phase-cut dimmers. It describes the possible voltage signals and the expected response of the controlgear/integrated lamps. This document describes the expected response of controlgear during all operation states of a phase-cut lighting system and provides a complete understanding of the requirements for phase-cut dimmers. The response of a phase-cut dimmer is described in IEC 60669-2 1: , Annex EE. This document specifies the system performance aspects and test procedures for the control by mains voltage phase-cut dimming of the brightness of mains operated electronic lighting equipment intended to be controlled by mains voltage phase-cut dimmers, such as LED integrated lamps and light sources with external controlgear. Safety requirements are not covered by this document, but by respective product standards. This second edition cancels and replaces the first edition published in 2016. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: emission of audible noise; ghosting caused by issues that are not related to the power supply of the dimmer or synchronization; stability of phase angle waveform (for the dimmer), including symmetry and stability tests; flicker of light loads; repetitive ring up voltage; dimming range; and number of switching cycles have been added.	20190710	33,696円（本体31,200円）
IEC/TR 63127 Ed. 1.0:2019	Guideline for the system design of HVDC converter stations with line-commutated converters	他励式変換器をもつHVDC変換所のシステム設計の指針	IEC TR 63127:2019(E) focuses on the system design of converter stations. It is applicable to point-to-point and back-to-back HVDC systems based on line-commutated converter (LCC) technology. This document provides guidance and supporting information on the procedure for system design and the technical issues involved in the system design of HVDC transmission projects for both purchaser and potential suppliers. It can be used as the basis for drafting a procurement specification and as a guide during project implementation.	20190626	38,880円（本体36,000円）
IEC 81346-2 Ed. 2.0:2019	Industrial systems, installations and equipment and industrial products - Structuring principles and reference designations - Part 2: Classification of objects and codes for classes	工業システム，設備及び機器並びに工業製品－構成原則及び基準指定名称－第2部：対象物の分類及びクラスのコード	IEC 81346-2:2019 establishes classification schemes with defined object classes and their associated letter codes, and is primarily intended for use in reference designations and for designation of generic types.The classification schemes are applicable for objects in all technical disciplines and all branches of industry.IEC 81346-2:2019 is a horizontal publication also intended for for use by technical committees in preparation of publications related to reference designations in accordance with the principles laid down in IEC Guide 108.IEC 81346-2:2019 cancels and replaces the first edition published in 2009. This edition constitutes a technical revision.This edition includes the following significant technical changes with respect to the previous edition:a) The entry classes of the classification scheme have been defined to reflect the "inherent function" of the object classified; b) The classes are defined to align with the principles of ISO 22274 and ISO 704;c) A three-level classification scheme has been defined, which provides a greater flexibility for the designer in some technical fields;d) Classes are defined by their definition and provided with a preferred term. Examples are provided if needed;e) A separate classification scheme for spaces has been provided.	20190618	41,472円（本体38,400円）

31 エレクトロニクス

規格番号	原文標題	邦訳標題(参考訳)	概要(英語)	制定年月日	定価(本体価格)

IEC 60068-2-69 Ed. 3.1:2019	Environmental testing - Part 2-69: Tests - Test Te/Tc: Solderability testing of electronic components and printed boards by the wetting balance (force measurement) method	環境試験－第2-69部：試験－試験Te/Tc：ウエッティングバランス(力測定)法による電子部品及びプリント基板のはんだ付性試験方法	IEC 60068-2-69:2017+A1.2019 outlines test Te/Tc, the solder bath wetting balance method and the solder globule wetting balance method to determine, quantitatively, the solderability of the terminations. Data obtained by these methods are not intended to be used as absolute quantitative data for pass-fail purposes. The procedures describe the solder bath wetting balance method and the solder globule wetting balance method. They are applicable to components and printed boards with metallic terminations and metallized solder pads. This document provides the measurement procedures for solder alloys both with and without lead (Pb). This edition includes the following significant technical changes with respect to the previous edition: integration of IEC 60068-2-54; inclusion of tests of printed boards; inclusion of new component types, and updating test parameters for the whole component list; inclusion of a new gauge R & R test protocol to ensure that the respective wetting balance equipment is correctly calibrated.The contents of the corrigendum of January 2018 have been included in this copy. This consolidated version consists of the third edition (2017) and its amendment 1 (2019). Therefore, no need to order amendment in addition to this publication.	20190619	51,840円（本体48,000円）
IEC 60068-2-69 Amd.1 Ed. 3.0:2019	Amendment 1 - Environmental testing - Part 2-69: Tests - Test Te/Tc: Solderability testing of electronic components and printed boards by the wetting balance (force measurement) method	修正票1－環境試験－第2-69部：試験－試験Te/Tc：ウエッティングバランス(力測定)法による電子部品及びプリント基板のはんだ付性試験方法		20190619	2,592円（本体2,400円）
IEC 60747-16-6 Ed. 1.0:2019	Semiconductor devices - Part 16-6: Microwave integrated circuits - Frequency multipliers	半導体素子－第16-6部：マイクロ波集積回路－周波数逓倍器	IEC 6074716-6:2019 specifies the terminology, essential ratings and characteristics, and measuring methods of microwave integrated circuit frequency multipliers.	20190626	18,144円（本体16,800円）
IEC 60749-20-1 Ed. 2.0:2019	Semiconductor devices - Mechanical and climatic test methods - Part 20-1: Handling, packing, labelling and shipping of surface-mount devices sensitive to the combined effect of moisture and soldering heat	半導体素子－機械試験及び耐候試験方法－第20-1部：水分とはんだ熱の複合作用に敏感な表面実装素子の取扱い，包装，ラベル貼付及び出荷	IEC 60749-20-1:2019 is available as IEC 60749-20-1:2019 RLV which contains the International Standard and its Redline version, showing all changes of the technical content compared to the previous edition.IEC 60749-20-1:2019 applies to all devices subjected to bulk solder reflow processes during PCB assembly, including plastic encapsulated packages, process sensitive devices, and other moisture-sensitive devices made with moisture-permeable materials (epoxies, silicones, etc.) that are exposed to the ambient air.The purpose of this document is to provide SMD manufacturers and users with standardized methods for handling, packing, shipping, and use of moisture/reflow sensitive SMDs that have been classified to the levels defined in IEC 60749-20. These methods are provided to avoid damage from moisture absorption and exposure to solder reflow temperatures that can result in yield and reliability degradation. By using these procedures, safe and damage-free reflow can be achieved, with the dry packing process, providing a minimum shelf life capability in sealed dry-bags from the seal date. This edition includes the following significant technical changes with respect to the previous edition: updates to subclauses to better align the test method with IPC/JEDEC J-STD-033C, including new sections on aqueous cleaning and dry pack precautions; addition of two annexes on colorimetric testing of HIC (humidity indicator card) and derivation of bake tables.	20190626	31,104円（本体28,800円）
IEC 60749-20-1 Ed. 2.0:2019 RLV (Redline version)	Semiconductor devices - Mechanical and climatic test methods - Part 20-1: Handling, packing, labelling and shipping of surface-mount devices sensitive to the combined effect of moisture and soldering heat	半導体素子－機械試験及び耐候試験方法－第20-1部：水分とはんだ熱の複合作用に敏感な表面実装素子の取扱い，包装，ラベル貼付及び出荷	IEC 60749-20-1:2019 RLV contains both the official IEC International Standard and its Redline version. The Redline version is not an official document, it is available in English only and provides you with a quick and easy way to compare all the changes between the official IEC Standard and its previous edition.IEC 60749-20-1:2019 applies to all devices subjected to bulk solder reflow processes during PCB assembly, including plastic encapsulated packages, process sensitive devices, and other moisture-sensitive devices made with moisture-permeable materials (epoxies, silicones, etc.) that are exposed to the ambient air.The purpose of this document is to provide SMD manufacturers and users with standardized methods for handling, packing, shipping, and use of moisture/reflow sensitive SMDs that have been classified to the levels defined in IEC 60749-20. These methods are provided to avoid damage from moisture absorption and exposure to solder reflow temperatures that can result in yield and reliability degradation. By using these procedures, safe and damage-free reflow can be achieved, with the dry packing process, providing a minimum shelf life capability in sealed dry-bags from the seal date. This edition includes the following significant technical changes with respect to the previous edition: updates to subclauses to better align the test method with IPC/JEDEC J-STD-033C, including new sections on aqueous cleaning and dry pack precautions; addition of two annexes on colorimetric testing of HIC (humidity indicator card) and derivation of bake tables.	20190626	40,435円（本体37,440円）
IEC/TR 61189-5-506 Ed. 1.0:2019	Test methods for electrical materials, printed boards and other interconnection structures and assemblies - Part 5-506: General test methods for materials and assemblies - An intercomparison evaluation to implement the use of fine-pitch test structures for surface insulation resistance (SIR) testing of solder fluxes in accordance with IEC 61189-5-501	電気材料，プリント基板及びその他の相互接続構体及びアセンブリの試験方法－第5-506部：材料及びアセンブリの一般試験方法－IEC 61189-5-501に従ったはんだフラックスの表面絶縁抵抗(SIR)試験のためのファインピッチ試験構造の使用を実現するための相互比較評価	IEC TR 61189-5-506:2019(E) is an intercomparison supporting the development of IEC 61189-5-501 in relation to the SIR method. This document sets out to validate the introduction of a new 200-μm gap SIR pattern, and was benched marked against existing SIR gap patterns of 318 μm and 500 μm.	20190626	18,144円（本体16,800円）
IEC/TS 61994-5 Ed. 1.0:2019	Piezoelectric, dielectric and electrostatic devices and associated materials for frequency control, selection and detection - Glossary - Part 5: Piezoelectric sensors	周波数制御，選択及び検出のための圧電，誘電及び静電体デバイス及び関連材料－用語－第5部：圧電センサ	IEC TS 61994-5:2019(E) gives the terms and definition for sensors representing the state of the art, which are intended for manufacturing piezoelectric elements, cells and the modules.	20190626	2,592円（本体2,400円）

IEC 62391-1 Ed. 2.0 b Cor.2:2019	Corrigendum 2 - Fixed electric double-layer capacitors for use in electric and electronic equipment - Part 1: Generic specification	正誤票2－電気・電子機器に使用する固定電気二層コンデンサー第1部：品目別通則		20190617	-

33 電気通信工学．オーディオ及びビデオ工学

規格番号	原文標題	邦訳標題(参考訳)	概要(英語)	制定年月日	定価(本体価格)
CISPR 16-2-3 Amd.1 Ed. 4.0:2019	Amendment 1 - Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-3: Methods of measurement of disturbances and immunity - Radiated disturbance measurements	修正票1－無線妨害及びイミュニティ測定装置並びに測定方法の仕様書－第2-3部：妨害及びイミュニティの測定方法－放射妨害の測定		20190625	22,032円（本体20,400円）
CISPR 16-2-3 Ed. 4.1:2019	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-3: Methods of measurement of disturbances and immunity - Radiated disturbance measurements	無線妨害及びイミュニティ測定装置並びに測定方法の仕様書－第2-3部：妨害及びイミュニティの測定方法－放射妨害の測定	CISPR 16-2-3:2016+A1:2019 specifies the methods of measurement of radiated disturbance phenomena in the frequency range of 9 kHz to 18 GHz. The aspects of measurement uncertainty are specified in CISPR 16-4-1 and CISPR 16-4-2. It has the status of a basic EMC publication in accordance with IEC Guide 107, "Electromagnetic compatibility - Guide to the drafting of electromagnetic compatibility publications". This fourth edition edition cancels and replaces the third edition published in 2010, its Amendment 1:2010 and its Amendment 2:2014. This edition constitutes a technical revision. This consolidated version consists of the fourth edition (2016) and its amendment 1 (2019). Therefore, no need to order amendment in addition to this publication.	20190625	84,240円（本体78,000円）
IEC 61300-3-54 Ed. 1.0:2019	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-54: Examinations and measurements - Angular misalignment between ferrule bore axis and ferrule axis for cylindrical ferrules	光ファイバ相互接続装置及び受動部品－基本試験及び計測手順－第3-54部：試験及び計測－フェルール口径軸と円筒フェルール用フェルール軸との間の角度心ずれ	IEC 61300-3-54:2019 describes the procedure to measure the angular misalignment between the ferrule bore axis and the outside diameter datum axis of a cylindrical ferrule.Keywords: ferrule bore, angular misalignment	20190708	9,072円（本体8,400円）
IEC 62760 Amd.1 Ed. 1.0:2019	Amendment 1 - Audio reproduction method for normalized loudness level	修正票1－音量レベル正規化のための音響再生方法		20190710	1,296円（本体1,200円）
IEC 62760 Ed. 1.1:2019	Audio reproduction method for normalized loudness level	音量レベル正規化のための音響再生方法	IEC 62760:2016+A1:2019 specifies the audio reproduction method for normalized loudness level of audio sources for consumer equipment and systems. This consolidated version consists of the first edition (2016) and its amendment 1 (2019). Therefore, no need to order amendment in addition to this publication.	20190710	25,920円（本体24,000円）

35 情報技術．事務機械

規格番号	原文標題	邦訳標題(参考訳)	概要(英語)	制定年月日	定価(本体価格)
IEC 61158-6-2 Ed. 4.0:2019	Industrial communication networks - Fieldbus specifications - Part 6-2: Application layer protocol specification Type 2 elements	工業用コミュニケーションネットワーク－フィールドバスの仕様－第6-2部：アプリケーション層プロトコルの仕様－タイプ2要素	IEC 61158-6-2:2019 provides common elements for basic time-critical and non-time-critical messaging communications between application programs in an automation environment and material specific to Type 2 fieldbus. The term "time-critical" is used to represent the presence of a time-window, within which one or more specified actions are required to be completed with some defined level of certainty. Failure to complete specified actions within the time window risks failure of the applications requesting the actions, with attendant risk to equipment, plant and possibly human life.This International Standard specifies interactions between remote applications and defines the externally visible behavior provided by the Type 2 fieldbus application layer. The purpose of this document is to define the protocol provided to a) define the wire-representation of the service primitives defined in this document, and b) define the externally visible behavior associated with their transfer. This document specifies the protocol of the Type 2 fieldbus application layer, in conformance with the OSI Basic Reference Model (ISO/IEC 7498-1) and the OSI application layer structure (ISO/IEC 9545).This fourth edition includes the following significant technical changes with respect to the previous edition: clarifications of response PDU formats in case of failure in 4.1.5; clarifications of connection request priority definition and handling in 4.1.6.5 and 4.1.6.6; clarification of connection remaining path in 4.1.6.12; extensions of general syntax in 4.1.8.1; extensions and clarifications of Identity object PDUs in 4.1.8.2; updates of Assembly object PDUs in 4.1.8.4; extensions and clarification of Time sync object PDUs in 4.1.8.6;	20190620	45,360円（本体42,000円）

IEC 61158-6-3 Ed. 4.0:2019	Industrial communication networks - Fieldbus specifications - Part 6-3: Application layer protocol specification Type 3 elements	工業用コミュニケーションネットワーク－フィールドバスの仕様－第6-3部：アプリケーション層プロトコルの仕様－タイプ3要素	IEC 61158-6-3:2019 provides common elements for basic time-critical and non-time-critical messaging communications between application programs in an automation environment and material specific to Type 2 fieldbus. The term "time-critical" is used to represent the presence of a time-window, within which one or more specified actions are required to be completed with some defined level of certainty. Failure to complete specified actions within the time window risks failure of the applications requesting the actions, with attendant risk to equipment, plant and possibly human life.This International Standard specifies interactions between remote applications and defines the externally visible behavior provided by the Type 2 fieldbus application layer. The purpose of this document is to define the protocol provided to a) define the wire-representation of the service primitives defined in this document, and b) define the externally visible behavior associated with their transfer. This document specifies the protocol of the Type 2 fieldbus application layer, in conformance with the OSI Basic Reference Model (ISO/IEC 7498-1) and the OSI application layer structure (ISO/IEC 9545).This fourth edition includes the following significant technical changes with respect to the previous edition: corrected substitutions in Table 4; corrections in 5.3.14; corrections in 5.5.6; corrections in 5.17.15; corrections in 5.17.16.2; spelling and grammar.	20190620	45,360円（本体42,000円）
IEC 61158-6-4 Ed. 3.0:2019	Industrial communication networks - Fieldbus specifications - Part 6-4: Application layer protocol specification Type 4 elements	工業用コミュニケーションネットワーク－フィールドバスの仕様－第6-4部：アプリケーション層プロトコルの仕様－タイプ4要素	IEC 61158-6-4:2019 provides common elements for basic time-critical and non-time-critical messaging communications between application programs in an automation environment and material specific to Type 2 fieldbus. The term "time-critical" is used to represent the presence of a time-window, within which one or more specified actions are required to be completed with some defined level of certainty. Failure to complete specified actions within the time window risks failure of the applications requesting the actions, with attendant risk to equipment, plant and possibly human life.This International Standard specifies interactions between remote applications and defines the externally visible behavior provided by the Type 2 fieldbus application layer. The purpose of this document is to define the protocol provided to a) define the wire-representation of the service primitives defined in this document, and b) define the externally visible behavior associated with their transfer. This document specifies the protocol of the Type 2 fieldbus application layer, in conformance with the OSI Basic Reference Model (ISO/IEC 7498-1) and the OSI application layer structure (ISO/IEC 9545).This third edition includes the following significant technical changes with respect to the previous edition:a) additional user parameters to services;b) additional services to support distributed objects;c) additional secure services.	20190620	25,920円（本体24,000円）
IEC 61158-6-10 Ed. 4.0:2019	Industrial communication networks - Fieldbus specifications - Part 6-10: Application layer protocol specification Type 10 elements	工業用コミュニケーションネットワーク－フィールドバスの仕様－第6-10部：アプリケーション層プロトコルの仕様－タイプ10要素	IEC 61158-6-10:2019 provides common elements for basic time-critical and non-time-critical messaging communications between application programs in an automation environment and material specific to Type 2 fieldbus. The term "time-critical" is used to represent the presence of a time-window, within which one or more specified actions are required to be completed with some defined level of certainty. Failure to complete specified actions within the time window risks failure of the applications requesting the actions, with attendant risk to equipment, plant and possibly human life.This International Standard specifies interactions between remote applications and defines the externally visible behavior provided by the Type 2 fieldbus application layer. The purpose of this document is to define the protocol provided to a) define the wire-representation of the service primitives defined in this document, and b) define the externally visible behavior associated with their transfer. This document specifies the protocol of the Type 2 fieldbus application layer, in conformance with the OSI Basic Reference Model (ISO/IEC 7498-1) and the OSI application layer structure (ISO/IEC 9545).This fourth edition includes the following significant technical changes with respect to the previous edition:a) integration of system redundancy basic functionality;b) integration of dynamic reconfiguration basic functionality;c) integration of reporting system basic functionality;d) integration of asset management basic functionality;e) integration of media redundancy ring interconnection basic functionality.	20190620	45,360円（本体42,000円）
IEC 61158-6-12 Ed. 4.0:2019	Industrial communication networks - Fieldbus specifications - Part 6-12: Application layer protocol specification Type 12 elements	工業用コミュニケーションネットワーク－フィールドバスの仕様－第6-12部：アプリケーション層プロトコルの仕様－タイプ12要素	IEC 61158-6-12:2019 provides common elements for basic time-critical and non-time-critical messaging communications between application programs in an automation environment and material specific to Type 2 fieldbus. The term "time-critical" is used to represent the presence of a time-window, within which one or more specified actions are required to be completed with some defined level of certainty. Failure to complete specified actions within the time window risks failure of the applications requesting the actions, with attendant risk to equipment, plant and possibly human life.This International Standard specifies interactions between remote applications and defines the externally visible behavior provided by the Type 2 fieldbus application layer. The purpose of this document is to define the protocol provided to a) define the wire-representation of the service primitives defined in this document, and b) define the externally visible behavior associated with their transfer. This document specifies the protocol of the Type 2 fieldbus application layer, in conformance with the OSI Basic Reference Model (ISO/IEC 7498-1) and the OSI application layer structure (ISO/IEC 9545).This fourth edition includes the following significant technical changes with respect to the previous edition: technical corrections; and editorial improvements for clarification.	20190620	42,768円（本体39,600円）

IEC 61158-6-19 Ed. 4.0:2019	Industrial communication networks - Fieldbus specifications - Part 6-19: Application layer protocol specification Type 19 elements	工業用コミュニケーションネットワーク－フィールドバスの仕様－第6-19部:アプリケーション層プロトコルの仕様－タイプ19要素	IEC 61158-6-19:2019 provides common elements for basic time-critical and non-time-critical messaging communications between application programs in an automation environment and material specific to Type 2 fieldbus. The term "time-critical" is used to represent the presence of a time-window, within which one or more specified actions are required to be completed with some defined level of certainty. Failure to complete specified actions within the time window risks failure of the applications requesting the actions, with attendant risk to equipment, plant and possibly human life.This International Standard specifies interactions between remote applications and defines the externally visible behavior provided by the Type 2 fieldbus application layer. The purpose of this document is to define the protocol provided to a) define the wire-representation of the service primitives defined in this document, and b) define the externally visible behavior associated with their transfer. This document specifies the protocol of the Type 2 fieldbus application layer, in conformance with the OSI Basic Reference Model (ISO/IEC 7498-1) and the OSI application layer structure (ISO/IEC 9545).This fourth edition includes the following significant technical changes with respect to the previous edition: improving the hotplug and redundancy features; improving the phase switching and the error handling; editorial improvements.	20190620	18,144円（本体16,800円）
IEC 61158-6-21 Ed. 2.0:2019	Industrial communication networks - Fieldbus specifications - Part 6-21: Application layer protocol specification Type 21 elements	工業用コミュニケーションネットワーク－フィールドバスの仕様－第6-21部:アプリケーション層プロトコルの仕様－タイプ21要素	IEC 61158-6-21:2019 provides common elements for basic time-critical and non-time-critical messaging communications between application programs in an automation environment and material specific to Type 2 fieldbus. The term "time-critical" is used to represent the presence of a time-window, within which one or more specified actions are required to be completed with some defined level of certainty. Failure to complete specified actions within the time window risks failure of the applications requesting the actions, with attendant risk to equipment, plant and possibly human life.This International Standard specifies interactions between remote applications and defines the externally visible behavior provided by the Type 2 fieldbus application layer. The purpose of this document is to define the protocol provided to a) define the wire-representation of the service primitives defined in this document, and b) define the externally visible behavior associated with their transfer. This document specifies the protocol of the Type 2 fieldbus application layer, in conformance with the OSI Basic Reference Model (ISO/IEC 7498-1) and the OSI application layer structure (ISO/IEC 9545).This second edition includes the following significant technical changes with respect to the previous edition: added WriteAndRead service; miscellaneous editorial corrections.	20190620	34,992円（本体32,400円）
IEC 61158-6-23 Ed. 2.0:2019	Industrial communication networks - Fieldbus specifications - Part 6-23: Application layer protocol specification Type 23 elements	工業用コミュニケーションネットワーク－フィールドバスの仕様－第6-23部:アプリケーション層プロトコルの仕様－タイプ23要素	IEC 61158-6-23:2019 provides common elements for basic time-critical and non-time-critical messaging communications between application programs in an automation environment and material specific to Type 2 fieldbus. The term "time-critical" is used to represent the presence of a time-window, within which one or more specified actions are required to be completed with some defined level of certainty. Failure to complete specified actions within the time window risks failure of the applications requesting the actions, with attendant risk to equipment, plant and possibly human life.This International Standard specifies interactions between remote applications and defines the externally visible behavior provided by the Type 2 fieldbus application layer. The purpose of this document is to define the protocol provided to a) define the wire-representation of the service primitives defined in this document, and b) define the externally visible behavior associated with their transfer. This document specifies the protocol of the Type 2 fieldbus application layer, in conformance with the OSI Basic Reference Model (ISO/IEC 7498-1) and the OSI application layer structure (ISO/IEC 9545).This second edition includes the following significant technical changes with respect to the previous edition: addition of the transmission extended mode and related attribute (Clauses 3.2.28, 4.1.9, 4.4, 5.2.9.2, and 5.3); update of Table 4, Table 5, Table 16 and Table 48.	20190620	45,360円（本体42,000円）
IEC 61158-6-25 Ed. 1.0:2019	Industrial communication networks - Fieldbus specifications - Part 6-25: Application layer protocol specification Type 25 elements	工業用コミュニケーションネットワーク－フィールドバスの仕様－第6-25部:アプリケーション層プロトコルの仕様－タイプ25要素	IEC 61158-6-25:2019 provides common elements for basic time-critical and non-time-critical messaging communications between application programs in an automation environment and material specific to Type 2 fieldbus. The term "time-critical" is used to represent the presence of a time-window, within which one or more specified actions are required to be completed with some defined level of certainty. Failure to complete specified actions within the time window risks failure of the applications requesting the actions, with attendant risk to equipment, plant and possibly human life.This International Standard specifies interactions between remote applications and defines the externally visible behavior provided by the Type 2 fieldbus application layer. The purpose of this document is to define the protocol provided to a) define the wire-representation of the service primitives defined in this document, and b) define the externally visible behavior associated with their transfer. This document specifies the protocol of the Type 2 fieldbus application layer, in conformance with the OSI Basic Reference Model (ISO/IEC 7498-1) and the OSI application layer structure (ISO/IEC 9545).	20190620	42,768円（本体39,600円）

IEC 61158-6-26 Ed. 1.0:2019	Industrial communication networks - Fieldbus specifications - Part 6-26: Application layer protocol specification Type 26 elements	工業用コミュニケーションネットワークーフィールドバスの仕様ー第6-26部:アプリケーション層プロトコルの仕様ータイプ26要素	IEC 61158-6-26:2019 provides common elements for basic time-critical and non-time-critical messaging communications between application programs in an automation environment and material specific to Type 2 fieldbus. The term "time-critical" is used to represent the presence of a time-window, within which one or more specified actions are required to be completed with some defined level of certainty. Failure to complete specified actions within the time window risks failure of the applications requesting the actions, with attendant risk to equipment, plant and possibly human life.This International Standard specifies interactions between remote applications and defines the externally visible behavior provided by the Type 2 fieldbus application layer. The purpose of this document is to define the protocol provided to a) define the wire-representation of the service primitives defined in this document, and b) define the externally visible behavior associated with their transfer. This document specifies the protocol of the Type 2 fieldbus application layer, in conformance with the OSI Basic Reference Model (ISO/IEC 7498-1) and the OSI application layer structure (ISO/IEC 9545).	20190620	45,360円（本体42,000円）
IEC/TS 62872-1 Ed. 1.0:2019	Industrial-process measurement, control and automation - Part 1: System interface between industrial facilities and the smart grid	工業プロセス計測，制御及び自動化ー第1部:工業施設とスマートグリッド間のシステムインタフェース	IEC 62872-1:2019(E) defines the interface, in terms of information flow, between industrial facilities and the "smart grid". It identifies, profiles and extends where required, the standards needed to allow the exchange of the information needed to support the planning, management and control of electric energy flow between the industrial facility and the smart grid.The scope of this document specifically excludes the protocols needed for the direct control of energy resources within a facility where the control and ultimate liability for such control is delegated by the industrial facility to the external entity (e.g. distributed energy resource (DER) control by the electrical grid operator).	20190626	41,472円（本体38,400円）
IEC 63119-1 Ed. 1.0:2019	Information exchange for electric vehicle charging roaming service - Part 1: General	電気自動車の充電ローミングサービスのための情報交換ー第1部:一般	IEC 63119-1:2019 establishes a basis for the other parts of IEC 63119, specifying the terms and definitions, general description of the system model, classification, information exchange and security mechanisms for roaming between EV charge service providers (CSP), charging station operators (CSOs) and clearing house platforms through roaming endpoints. It provides an overview and describes the general requirements of the EV roaming service system.IEC 63119 (all parts) is applicable to high-level communication involved in information exchange/interaction between different CSPs, as well as between a CSP and a CSO with or without a clearing house platform through the roaming endpoint. IEC 63119 (all parts) does not specify the information exchange, either between the charging station (CS) and the charging station operator (CSO), or between the EV and the CS.	20190626	9,072円（本体8,400円）

45 鉄道工学

規格番号	原文標題	邦訳標題(参考訳)	概要(英語)	制定年月日	定価(本体価格)
IEC 62848-2 Ed. 1.0:2019	Railway applications - DC surge arresters and voltage limiting devices - Part 2: Voltage limiting devices	鉄道分野ーDCサージアレスタ及び電圧制限装置ー第2部:電圧制限装置	IEC 62848-2:2019 applies to Voltage Limiting Devices (VLDs) to be applied in DC traction systems in order to comply with protective provisions against electric shock from DC, and combined AC - DC voltages, in accordance with the IEC 62128 series, taking into account stray current provisions.VLDs operate in such a way as to connect the track return circuit of DC railway systems to the earthing system or to conductive parts within the overhead contact line zone or current collector zone.	20190618	25,920円（本体24,000円）

47 造船及び海洋構造物

規格番号	原文標題	邦訳標題(参考訳)	概要(英語)	制定年月日	定価(本体価格)
IEC 61097-4 Ed. 3.2:2019	Global maritime distress and safety system (GMDSS) - Part 4: Inmarsat-C ship earth station and Inmarsat enhanced group call (EGC) equipment - Operational and performance requirements, methods of testing and required test results	世界海洋遭難安全システム(GMDSS)ー第4部:Inmarsat-C 船舶陸上局及びInmarsat機能強化群呼出し(EGC)機器ー操作及び性能要求事項，試験方法及び必要試験結果	IEC 61097-4:2012+A1:2016+A2:2019 specifies the performance requirements and methods of testing for Inmarsat-C ship earth stations (SES) capable of transmitting and receiving direct-printing communications, and for enhanced group call (EGC) receivers, for use in the GMDSS and for use for long-range identification and tracking (LRIT). This consolidated version consists of the third edition (2012), its amendment 1 (2016) and its amendment 2 (2019). Therefore, no need to order amendment in addition to this publication.	20190627	32,400円（本体30,000円）
IEC 61097-4 Amd.2 Ed. 3.0:2019	Amendment 2 - Global maritime distress and safety system (GMDSS) - Part 4: Inmarsat-C ship earth station and Inmarsat enhanced group call (EGC) equipment - Operational and performance requirements, methods of testing and required test results	修正票2ー世界海洋遭難安全システム(GMDSS)ー第4部:Inmarsat-C 船舶陸上局及び Inmarsat機能強化群呼出し(EGC)機器ー操作及び性能要求事項，試験方法及び必要試験結果		20190627	2,592円（本体2,400円）
IEC 61097-6 Ed. 2.2:2019	Global maritime distress and safety system (GMDSS) - Part 6: Narrowband direct-printing telegraph equipment for the reception of navigational and meteorological warnings and urgent information to ships (NAVTEX)	世界海洋遭難安全システム(GMDSS)ー第6部:船への航行及び気象警報及び緊急情報を受信する狭帯域直接印刷テレグラフ機器(NAVTEX)	IEC 61097-6:2005+A1:2011+A2:2019 Specifies the minimum performance requirements, technical characteristics and type-testing requirements for narrowband telegraph equipment for the reception of navigational and meteorological information as required by the International Convention for Safety of Life at Sea (SOLAS), and which is associated with IEC 60945. Also incorporates the performance standards of the relevant IMO resolutions and conforms with the ITU-R regulations where applicable. This consolidated version consists of the second edition (2005), its amendment 1 (2011) and its amendment 2 (2019). Therefore, no need to order amendment in addition to this publication.	20190710	45,360円（本体42,000円）

IEC 61097-6 Amd.2 Ed. 2.0:2019	Amendment 2 - Global maritime distress and safety system (GMDSS) - Part 6: Narrowband direct-printing telegraph equipment for the reception of navigational and meteorological warnings and urgent information to ships (NAVTEX)	修正票2－世界海洋遭難安全システム(GMDSS)－第6部：船への航行及び気象警報及び緊急情報を受信する狭帯域直接印刷テレグラフ機器(NAVTEX)		20190710	1,296円（本体1,200円）
IEC 61097-16 Ed. 1.0:2019	Global maritime distress and safety system (GMDSS) - Part 16: Ship earth stations operating in mobile-satellite systems recognized for use in the GMDSS - Operational and performance requirements, methods of testing and required test results	世界海洋遭難安全システム(GMDSS)－第16部：GMDSSでの使用が認められた移動衛星で運用される船舶陸上局－運用及び性能要求事項，試験方法及び必要な試験結果	IEC 61097-16:2019 specifies the minimum operational and performance requirements, methods of testing and required test results for any ship earth stations intended for operation in mobile-satellite systems and services which are recognized by the International Maritime Organization as meeting the criteria required by the IMO under regulation IV/4-1 of the International Convention for the Safety of Life at Sea, 1974, as amended, for the provision of mobile-satellite systems and services in the GMDSS, regardless of the mobile satellite provider used.This document incorporates the minimum criteria and performance standards of the IMO, currently prescribed in IMO Resolution A.1001(25) in IMO Resolution MSC.434(98) and is also associated with IMO Resolution A.694(17) and IEC 60945.Matters relating to the installation of the ship earth station are given in Annex A.	20190708	25,920円（本体24,000円）

49 航空宇宙工学

規格番号	原文標題	邦訳標題(参考訳)	概要(英語)	制定年月日	定価(本体価格)
IEC 62668-2 Ed. 1.0:2019	Process management for avionics - Counterfeit prevention - Part 2: Managing electronic components from non-franchised sources	航空電子工学のプロセスマネジメント－偽造の防止－第2部：非－非販売源からの電子部品の管理	IEC 62668-2:2019, defines requirements for avoiding the use of counterfeit, recycled and fraudulent components when these components are not purchased from the original component manufacturer (OCM) or are purchased from outside of franchised distributor networks for use in the aerospace, defence and high performance (ADHP) industries. This practice is used, as derogation, only when there are no reasonable or practical alternatives. NOTE: Typically this document is used in conjunction with IEC 62239-1 and IEC 62668-1, enabling ADHP industries to manage and avoid the use of counterfeit, recycled and fraudulent components in their supply chains.Although developed for the ADHP industry, this document can be used by other high-performance and high-reliability industries, at their discretion.This first edition cancels and replaces the second edition of IEC TS 62668-2 published in 2016. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the second edition of IEC TS 62668-2:a) updates to the risk assessment process, including reference to SAE AS6081;b) updates to the test methods, including reference to the SAE AS6171 test methods published and in development;c) updates in line with IEC 62668-1 for definitions and references to DFARS.	20190709	34,992円（本体32,400円）

71 化学技術

規格番号	原文標題	邦訳標題(参考訳)	概要(英語)	制定年月日	定価(本体価格)
IEC 61010-2-033 Ed. 2.0:2019	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-033: Particular requirements for hand-held multimeters and other meters for domestic and professional use, capable of measuring mains voltage	計測，制御及び試験所用電気機器の安全要求事項－第2-033部：主電源の計測が可能な家庭用及び業務用手持ち形マルチメータ及びその他のメータの特定要求事項	IEC 61010-2-033:2019 is available as IEC 61010-2-033:2019 RLV which contains the International Standard and its Redline version, showing all changes of the technical content compared to the previous edition.IEC 61010-2-033:2019 specifies safety requirements for hand-held multimeters for domestic and professional use, capable of measuring mains. Hand-held multimeters are multi-range multifunction measuring instruments intended to measure voltage and other electrical quantities such as resistance or current. Their primary purpose is to measure voltage on a live mains. They are suitable to be supported by one hand during normal use. This second edition cancels and replaces the first edition published in 2012. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: The scope has been reduced to hand-held multimeters. Voltmeters and clamp multimeters have been removed. They are addressed respectively by IEC 61010-2-030 and IEC 61010-2-032. The relevant definitions have been removed. Subclause 4.4.2.101 has been relocated into Clause 102. Clearances and creepage distances for wet locations and for measuring circuit terminals exceeding 1 000 V a.c. or 1 414 V d.c. have been specified. Subclause 14.101 related to "Circuits or components used as transient overvoltage limiting devices in measuring circuits used to measure mains" has been removed. References to IEC 61010-031 for probe assemblies and IEC 61010-2-032 for current sensors have been added. Requirements for protection against mains overvoltage measuring circuits have been added. Clause 102 has been rewritten. Requirements for measuring circuits from 1 000 V to 3 000 V have been added.	20190621	31,104円（本体28,800円）

IEC 61010-2-033 Ed. 2.0:2019 RLV (Redline version)	Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-033: Particular requirements for hand-held multimeters and other meters for domestic and professional use, capable of measuring mains voltage	計測，制御及び試験所用電気機器の安全要求事項－第2-033部：主電源の計測が可能な家庭用及び業務用手持ち形マルチメータ及びその他のメータの特定要求事項	IEC 61010-2-033:2019 RLV contains both the official IEC International Standard and its Redline version. The Redline version is not an official document, it is available in English only and provides you with a quick and easy way to compare all the changes between the official IEC Standard and its previous edition.IEC 61010-2-033:2019 specifies safety requirements for hand-held multimeters for domestic and professional use, capable of measuring mains. Hand-held multimeters are multi-range multifunction measuring instruments intended to measure voltage and other electrical quantities such as resistance or current. Their primary purpose is to measure voltage on a live mains. They are suitable to be supported by one hand during normal use. This second edition cancels and replaces the first edition published in 2012. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: The scope has been reduced to hand-held multimeters. Voltmeters and clamp multimeters have been removed. They are addressed respectively by IEC 61010-2-030 and IEC 61010-2-032. The relevant definitions have been removed. Subclause 4.4.2.101 has been relocated into Clause 102. Clearances and creepage distances for wet locations and for measuring circuit terminals exceeding 1 000 V a.c. or 1 414 V d.c. have been specified. Subclause 14.101 related to "Circuits or components used as transient overvoltage limiting devices in measuring circuits used to measure mains" has been removed. References to IEC 61010-031 for probe assemblies and IEC 61010-2-032 for current sensors have been added. Requirements for protection against mains overvoltage measuring circuits have been added. Clause 102 has been rewritten.	20190621	40,435円（本体37,440円）
IEC 61207-2 Ed. 2.0:2019	Expression of performance of gas analyzers – Part 2: Measuring oxygen in gas utilizing high-temperature electrochemical sensors	ガスアナライザの性能表現－第2部：高温電気化学センサを使用するガス中酸素の測定	IEC 61207-2:2019 applies to all aspects of analyzers using high-temperature electro¬chemical sensors for the measurement of oxygen in gas. It applies to in-situ and extractive analyzers and to analyzers installed indoors and outdoors.The object of this part is: to specify the terminology and definitions related to the functional performance of gas analyzers, utilizing a high-temperature electrochemical sensor, for the continuous measurement of oxygen concentration in a sample of gas; to unify methods used in making and verifying statements on the functional performance of such analyzers; to specify what tests are performed to determine the functional performance and how such tests are carried out; – to provide basic documents to support the application of internationally recognized quality management standards.This second edition cancels and replaces the first edition published in 1994. This edition constitutes a technical revision.This edition includes the following significant technical changes with respect to the previous edition.a) all the terms and definitions relating to the document have been updated where appropriate;b) the description of the principle of the galvanic cell has been expanded and clarified;c) new definitions and illustrations have been added for different measurement methods for oxygen using solid electrolytes for galvanic cells;d) new illustrations have been added for existing descriptions for ion pump cells;e) a more detailed description of the effect of the presence of oxidizable gases has been added;f) all references to “errors” have been replaced by “uncertainties” and appropriate updated definitions applied.	20190618	18,144円（本体16,800円）
IEC 61207-3 Ed. 3.0:2019	Gas Analyzers – Expression of performance – Part 3: Paramagnetic oxygen analysers	ガスアナライザ－性能表現－第3部：磁気酸素アナライザ	IEC 61207-3:2019 is available as IEC 61207-3:2019 RLV which contains the International Standard and its Redline version, showing all changes of the technical content compared to the previous edition.IEC 61207-3:2019 applies to the three main methods for measuring oxygen by its paramagnetic property, which are outlined in the introduction. It considers essential ancillary units and applies to analyzers installed indoors and outdoors. Safety-critical applications can require additional requirements from system and analyzer specifications not covered in this document. This document is intended: to specify terminology and definitions related to the functional performance of para¬magnetic gas analyzers for the measurement of oxygen in a source gas; to unify methods used in making and verifying statements on the functional performance of such analyzers; to specify what tests are performed to determine the functional performance and how such tests are carried out; to provide basic documents to support the application of internationally recognized quality management standards.This third edition cancels and replaces the second edition published in 2002. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition:a) all references (normative and informative) have been updated, deleted or added to as appropriate;b) all the terms, descriptions and definitions relating to the document have been updated where appropriate;c) all references to “errors” have been replaced by “uncertainties” and appropriate updated definitions applied.	20190626	22,032円（本体20,400円）

IEC 61207-3 Ed. 3.0:2019 RLV (Redline version)	Gas Analyzers - Expression of performance - Part 3: Paramagnetic oxygen analysers	ガスアナライザー性能表現－第3部：磁気酸素アナライザ	IEC 61207-3:2019 RLV contains both the official IEC International Standard and its Redline version. The Redline version is not an official document, it is available in English only and provides you with a quick and easy way to compare all the changes between the official IEC Standard and its previous edition.IEC 61207-3:2019 applies to the three main methods for measuring oxygen by its paramagnetic property, which are outlined in the introduction. It considers essential ancillary units and applies to analyzers installed indoors and outdoors. Safety-critical applications can require additional requirements from system and analyzer specifications not covered in this document. This document is intended: to specify terminology and definitions related to the functional performance of para¬magnetic gas analyzers for the measurement of oxygen in a source gas; to unify methods used in making and verifying statements on the functional performance of such analyzers; to specify what tests are performed to determine the functional performance and how such tests are carried out; to provide basic documents to support the application of internationally recognized quality management standards.This third edition cancels and replaces the second edition published in 2002. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition:a) all references (normative and informative) have been updated, deleted or added to as appropriate;b) all the terms, descriptions and definitions relating to the document have been updated where appropriate;c) all references to “errors” have been replaced by “uncertainties” and appropriate updated definitions applied.	20190626	28,641円（本体26,520円）

91 建設材料及び建築物

規格番号	原文標題	邦訳標題(参考訳)	概要(英語)	制定年月日	定価(本体価格)
IEC 62052-31ISH1 Ed. 1.0:2019	Interpretation Sheet 1 - Electricity metering equipment (AC) - General requirements, tests and test conditions - Part 31: Product safety requirements and tests	解説シート1－電力量計(AC)－－一般要求事項，試験及び試験条件－第31部：製品安全要求事項及び試験		20190627	-

97 家庭用及び商業用装置．娯楽．スポーツ

規格番号	原文標題	邦訳標題(参考訳)	概要(英語)	制定年月日	定価(本体価格)
IEC 60335-2-89 Ed. 3.0:2019	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor	家庭用及び類似の電気機器－安全性－第2-89部：内蔵又は外付け冷媒凝縮ユニット又はモータコンプレッサ付き商用冷凍機及び製氷機の特定要求事項	IEC 60335-2-89:2019 specifies safety requirements for electrically operated commercial refrigerating appliances and ice-makers that have an incorporated motor-compressor or that are supplied in two units for assembly as a single appliance in accordance with the instructions (split system).Examples of appliances that are within the scope of this standard are refrigerated display and storage cabinets; refrigerated trolley cabinets; service counters and self-service counters; blast chillers and blast freezers; commercial ice-makers.As far as is practicable, this standard deals with the common hazards presented by these types of appliances including those that use flammable refrigerants and appliances employing R 744 refrigerant.This International Standard is not applicable to appliances with a mass of flammable refrigerant exceeding the limits specified in 22.110 or to appliances with that use refrigerants with a toxicity classification of B according to ISO 817.It does not cover those features of construction and operation of refrigerating appliances that are dealt with in ISO standards.Attention is drawn to the fact that for appliances intended to be used in vehicles or aboard ships or aircraft, additional requirements can be necessary; in many countries, additional requirements are specified by national health authorities, the national authorities responsible for the protection of labour, the national water supply authorities and similar authorities.This standard does not apply to appliances using flammable refrigerant in transcritical refrigeration systems; domestic refrigerating appliances (IEC 60335-2-24); split systems having a refrigerant charge of flammable refrigerant exceeding 150 g in any refrigerating circuit; industrial refrigerating systems; motor-compressors (IEC 60335-2-34);	20190620	34,992円（本体32,400円）