

# JIS

JAPANESE INDUSTRIAL STANDARD

Weather-proof Performance  
of Electricity Meters

JIS C 1281 —1979

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by

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In the event of any doubt arising,  
the original Standard in Japanese is to be final authority.

## JAPANESE INDUSTRIAL STANDARD

J I S

Weather-proof Performance  
of Electricity MetersC 1281-1979  
(Reaffirmed: 1990)1. Scope

This Japanese Industrial Standard specifies weather-proof performance of ordinary weather-proof meters and reinforced weather-proof meters among electricity meters.

2. Reference Environment

The reference environment for meters shall be as follows:

- (1) For ordinary weather-proof meters, the environment of a place not likely affected by direct sunshine in the exterior of house but except rainfall zone or in the interior of house.
- (2) For reinforced weather-proof meters, the environment of a place directly affected by sunshine in rainfall zone.
- (3) Such environment that weather conditions are in the degree of those in industrial area at the Pacific coast of middle part of this country and that the air pollution is in the degree described below.
  - (a) Sea salt particles: 1.0 ppm
  - (b) Amount of sulfur oxides:  $2.5 \text{ mg-SO}_3 / \text{day}/100\text{cm}^2\text{-PbO}_2$
  - (c) Falling dust: 13 t/km<sup>2</sup>/month

3. Performance

3.1 Influence of Water Spray Meters shall comply with the following requirements when subjected to the test of 4.2.

- (1) The insulation resistance shall be not less than 5 M $\Omega$  in the insulation resistance test.
- (2) The meter shall withstand the test voltage, in the power frequency withstand voltage test.
- (3) No ingress of water shall be observed in the interior of meter.

3.2 Light Stability Meters shall comply with the following requirements when subjected to the test of 4.3.

- (1) The progressing rust on metal part is less.
- (2) No crack, blister, peel-off, remarkable fading and/or discoloration, nor the like shall appear on the coated surface.
- (3) No abnormality such as crack, blister and deterioration shall appear on the packing.