

Silver Scale™ / COCS-PCCW-0501-0

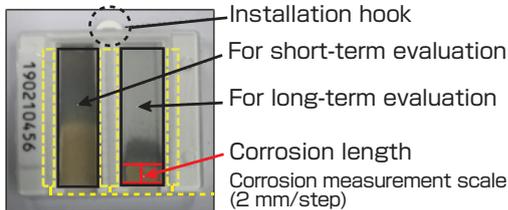


- Easy-to-use sensor that allows to visually evaluate corrosion risks caused by hydrogen sulfide and sulfur gases
- Features two identification windows to check the progress of short-term and long-term corrosion (depending on the observation period)
- Light and compact, easy on-site installation

Comparison between the corrosion sensor (visual method) and standard method (ISO 11844)

	COCS-PCCW-0501-0 (visual method)	Standard methods (ISO 11844)
Summary	Evaluate and diagnose corrosion risks based on corrosion length	Diagnose the corrosion risks based on the corrosion thickness of the metal plate measured by an analyzer
Advantages	<ul style="list-style-type: none"> • Visual diagnosis of corrosion risks • Remote diagnosis (identifiable through photos, etc.) • Cost-effective 	<ul style="list-style-type: none"> • Highly accurate analysis due to the usage of an analyzer • Environmental assessment for the corrosion of copper, zinc, and carbon steel
Disadvantages	<ul style="list-style-type: none"> • Environmental assessment only for corrosion of metal (silver) 	<ul style="list-style-type: none"> • Collection and analysis of metal plates can be labor-intensive • Expensive

Product description



Product weight: 4.2g Enclosure material: Poly carbonate
Dimensions: 26 mm (length) x 29 mm (width) x 7 mm (thickness)

The environment corrosion categories is determined based on the discoloration (corrosion) length caused by hydrogen sulfide.

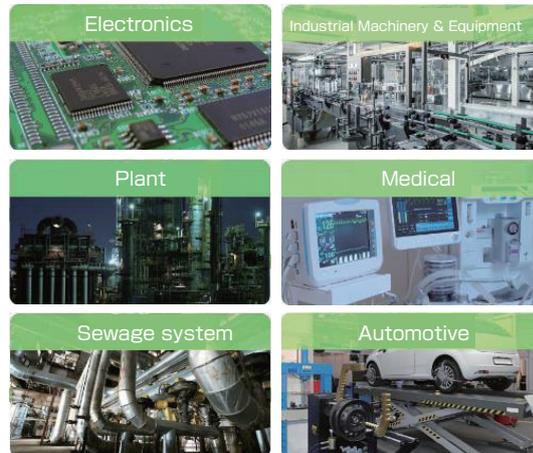
Table: ISO 11844 method

Level	Metal plate corrosion thickness	Corrosion risk
IC1	0 ~ 27nm	Very low
IC2	27 ~ 105nm	Low
IC3	105 ~ 410nm	Moderate
IC4	410 ~ 1050nm	High
IC5	1050 ~ 2620nm	Very high

Usage example

- STEP 1** Install the corrosion sensor in the environment for evaluation (Example: 30 days)
- STEP 2** Measure the corrosion length (Example: 4 mm)
- STEP 3** Diagnose the level based on the ISO 11844 (Example: IC2 = low corrosion risk)

Expected market



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