

Visual type corrosion sensor

Silver Scale

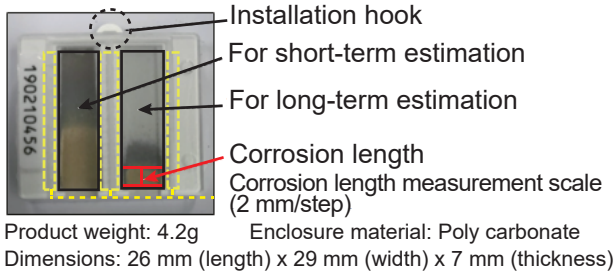


- The product allows to estimate corrosion risks visually caused by hydrogen sulfide and sulfur.
- This product features two identification windows to check the progress of short-term and long-term corrosion and can be used depending on the observation period.
- Light and compact, allowing easy installation.

■ Comparison between Silver Scale (visual type corrosion sensor) and conventional methods (ISO11844-1 standard)

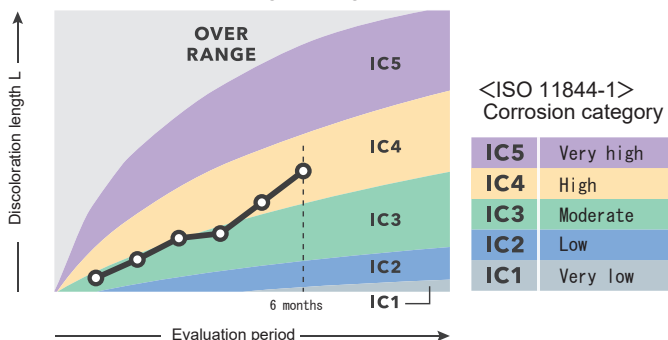
	Silver Scale (visual type corrosion sensor)	Conventional methods (ISO 11844-1)
Summary	Diagnose the corrosion risks based on the visual corrosion length	Diagnose the corrosion risks based on the corrosion thickness of the metal plate measured by an analyzer
Advantages	<ul style="list-style-type: none"> • Visual diagnosis of corrosion risks • Remote diagnosis (identifiable through photos, etc.) • Low price 	<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"> • Troublesome work for collection and analysis of metal plates • Expensive

■ Product description



Determines the corrosion category based on the discoloration (corrosion) length due to the hydrogen sulfide.

Environmental diagnostic graph

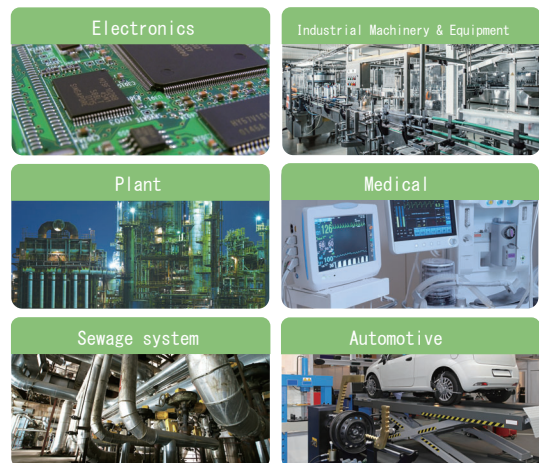


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■ Usage example

- STEP 1** Install Silver Scale in an environment for measurement (Example: 6 months evaluation period)
- STEP 2** Measure the corrosion length (Example: 10mm corrosion length)
- STEP 3** Determine the corrosion category based on the evaluation period and corrosion length of the environmental diagnosis graph (Example: corrosion category IC4)

■ Expected market



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