

ER Sensor(Overlap Type) Specifications

【Overview】

It is a corrosion sensor that measures the amount of metal corrosion thinning by using the electrical resistance value.

In order to compensate for changes in resistance due to temperature, the metal electrodes are arranged on the same side, and one side is covered with an anti-corrosion material.

【Structure and Appearance】



The above figure shows a standard size sensor made of carbon steel. It is possible to change the metal material and electrode shape according to the customer's request. In addition, there is also a type with a thin substrate for installation and measurement in close contact with curved surfaces, and a flat electrode surface for compatibility with plating materials.

【Specifications】

Materials	Carbon steel, Aluminum, etc. ※Supplied Materials from customers (Consultation Required)
Size	31mm (W) × 58mm (L) ※Custom-made is also available
Electrodes' Thickness	200 μm ※Custom-made is also available
Lead Wire	1m cable with Waterproof Connector ※Length and Specifications can be customized.
Connecting with Measuring Equipment	Waterproof Connector ※Custom-made is also available
Supported Devices	ER Data Logger:SRCM-301、SRCM-301R