

RCM Sensor(Flat Type) Specifications

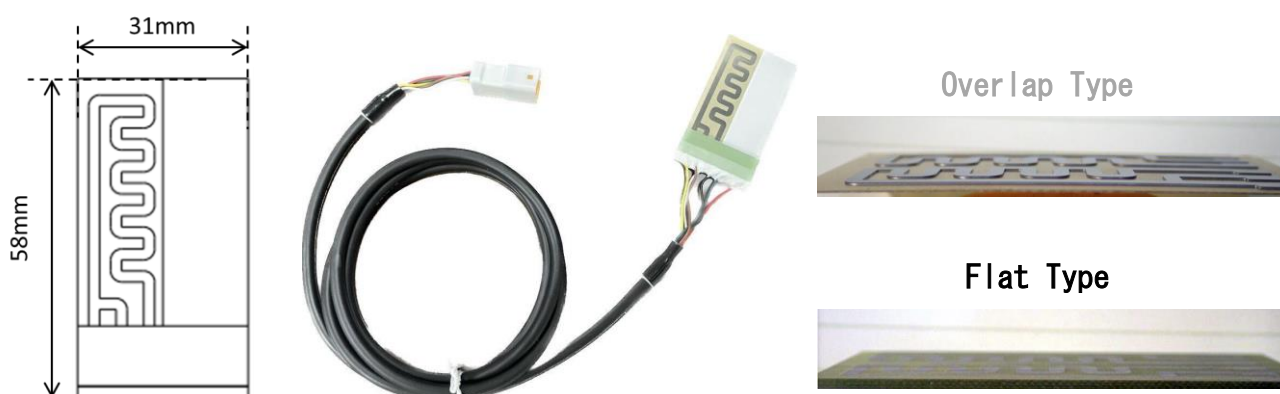
【Overview】

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.

Since there is no step between the substrate and the metal pattern and the structure prevents water from accumulating, corrosion behavior can be measured without the influence of the end face, making it ideal for evaluating plated steel sheets.

【RCM Sensor Structure and Appearance】



The above figure shows a standard size flat type sensor made of carbon steel. It is possible to change the metal material and electrode shape according to customers' request.

There is also a type with a thinner substrate for installation and measurement in close contact with curved surfaces.

【Specifications】

Materials	Carbon steel, Aluminum, etc. ※Supplied Materials from customers (Consultation Required)
Size	31mm(W) × 58mm(L) ※Customized Size Available (Consultation Required)
Electrodes' Thickness	200 μm ※Customized Size Available (Consultation Required)
Lead Wire	1m cable with Waterproof Connector (Standard) ※Length and heat resistance specifications can be changed (Consultation Required)
Connecting with Measuring Equipment	Waterproof Connector, Terminal blocks etc. ※Customization Possible (Consultation Required)
Compatible Device	SRCM-301、SRCM-301R