

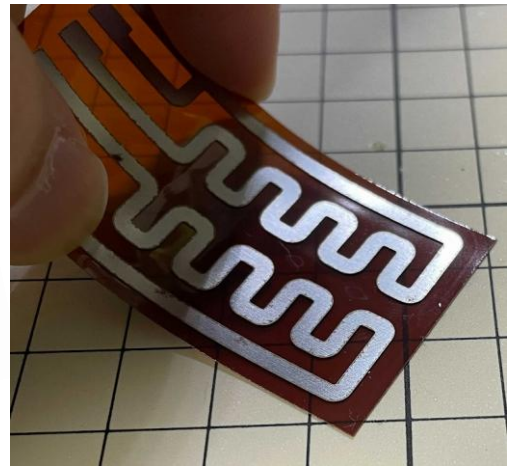
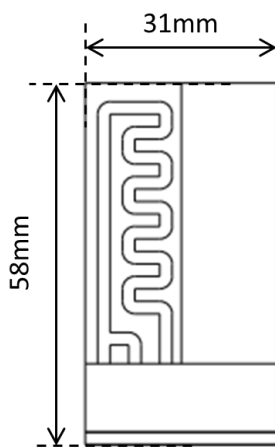
ER Sensor(Flexible Type) Specifications

【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. By using a thin base material(thickness= $125\mu\text{m}$), it can be installed in a bent state. By placing it in close contact with the curved surface of a structure, it is possible to measure in a state that is closer to the actual structure.

【Structure and Appearance】



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

【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 Loggers:SRCM-301、SRCM-301R |