Electrical Resistance Corrosion Probe
Type: ER-5/0.5-FS

Description

The ER probe is designed to monitor the corrosion loss of buried steel structures like pipelines, tanks and others. The flush type probe has a strip steel element mounted in an epoxy resin body with an integral connector cable. The probe can be electrically connected to polarized structures to control the effectiveness of the cathodic protection. The probe is of rugged construction and is reliable in service.

Technical Specification

- Measurement element: carbon steel flush strip (FS) of the thickness 0.5 mm and exposed area 5 cm²
- Probe span: 0÷0.3 mm
- Standard cable length: 5 m (max. up to 15 m)
- Cable connector: 6 pin MIL-C-5015
- Sizes: 155 x 50 x 26 mm
- Weight (with cable): 600 g

Measurement Characteristics

![Measurement Characteristics Graph]

Application

The ER probe should be inserted in the corrosive environment (soil, water or concrete) close to the tested steel structure. The probe cable ended with the connector should be leaded to the nearest test station. In case of a cathodically protected structure the ER probe has to be electrically connected to it using the equipotential joint.

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