

INTELLCORR CP TEST POST MONITORING UNIT



Intelligent Corrosion Management System for Cathodic Protection Monitoring

OVERVIEW

IntellCorr CP Test Post Monitoring Unit is a Remote Monitoring Unit (RMU) that used to monitor cathodic protection that can installed in the within a test post. It carries out the functional checks of rectifier output (voltage and current) in order to ensure a continuous CP supply to the pipeline.

The unit monitors and collects pipeline potentials automatically, checks these measurements against user specified alert criteria and reports immediately if an alarm threshold is exceeded. The MERLIN7 CP Monitor can be deployed anywhere on the pipeline network where it is important to record ON/OFF pipe-to-soil potentials, native coupon potentials and measurements of interfering currents.

All measurements are taken automatically by the unit and data is seamlessly sent in a management report to the system HQ where it is displayed and archived online via **IntellCorr** Server.

FEATURES AND BENEFITS

- Compatible with 4G and 2G GSM networks
- Mobile phone test & set-up.
- Sealed weatherproof unit with wide operational temperature
- Hourly check of rectifier outputs, ON/OFF potentials
- Daily CP level check (hourly optional for problem solving)
- DC and AC monitoring for full corrosion prevention
- ON / OFF / Native Potentials and coupon current monitoring channels
- Immediate alarm generation (user preset thresholds on all channels)
- Alarms when protection inadequate or power fails at rectifier
- Weekly report gives min, max and average of all channels for the week

SPECIFICATIONS

DIMENSIONS (H X W X D)

- 125mm x 85mm x 55mm

INGRESS PROTECTION

- IP67

TEMPERATURE RANGE

- -40 °C to +85 °C 100% condensing humidity

COMMUNICATION

- 4G/ 2G/ GSM networks

BATTERY

- 5 year life
- Replaceable battery module



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