



ABRIOX

MERLIN6

CATHODIC PROTECTION
C P M O N I T O R

MONITORING AND CONTROL
FOR OIL AND GAS

OVERVIEW

The **MERLIN6 CP Monitor** is a compact Remote Monitoring Unit (RMU) housed within a test post. It collects CP data automatically, checks the measurements against specified alert criteria and reports immediately if an alarm threshold is exceeded.

Manually collecting and analyzing field measurements at test posts is labour intensive and costly. It monitors and collects pipeline potentials automatically, checks these measurements against user specified alert criteria and reports immediately if an alarm threshold is exceeded.

The MERLIN6 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.

Alternatively it may simply be that certain measurement points on the pipeline create risks to CP technicians, such as at busy road or rail crossings, or are difficult to access, such as on private land. At these points remote monitoring is very cost-efficient and can improve safety.

All measurements are taken automatically by the MERLIN6 and data is seamlessly sent in a management report to the system HQ where it is displayed and archived online via **iCPSM4**.

FEATURES AND BENEFITS

- ▶ Compatible with 4G and 2G networks
- ▶ Mobile phone test & set-up
- ▶ Compact size, sealed weatherproof unit for deployment inside test posts
- ▶ Robust lightning protection and wide operational temperature for all extremes
- ▶ 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
- ▶ Alarms reported immediately (user preset thresholds for all channels)
- ▶ 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

COMMUNICATIONS

4G and 2G networks

BATTERY BACKUP

5 year life, replaceable battery module

SOFTWARE MANAGEMENT

iCPSM4

ABOUT US

Abriox is a dynamic high technology company specializing in remote monitoring and control for pipelines with European and International Headquarters in the UK and US Headquarters in Ohio.

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