



ABRIOX[®]

MERLIN6

CATHODIC PROTECTION
BOND MONITOR

MONITORING AND CONTROL
FOR OIL AND GAS

OVERVIEW

The **MERLIN6 Bond Monitor** is a compact Remote Monitoring Unit (RMU) designed to monitor the overall effectiveness of the critical bonds on your pipeline network ensuring you have the expected, and often regulated, pipeline integrity.

Manually collecting and analyzing field measurements at test posts and critical bonds is labor-intensive and costly. MERLIN6 monitors and collects bond current and 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 critical bond measurements, interfering currents or pipe-to-soil potentials.

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 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 3G networks
- ▶ Cell 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 measurements with hourly option for fault diagnosis
- ▶ Isolated DC and AC channels monitoring for full corrosion prevention
- ▶ 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)

4.9" x 3.35" x 2.17"

INGRESS PROTECTION

NEMA 6

TEMPERATURE RANGE

-40°F to +185°F 100% condensing humidity

COMMUNICATIONS

4G (LTE) and 3G 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 US Headquarters in Ohio and European and International Headquarters in the UK.

GET IN TOUCH

www.abriox.com

usinfo@abriox.com

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