

## Pipeline Test & Monitoring Coupons

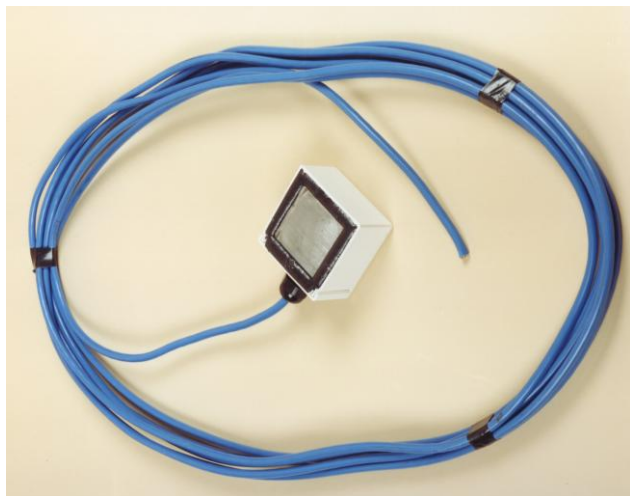
Test/monitoring coupons are increasingly becoming an essential tool in the monitoring of cathodic protected buried pipelines. Coupons provide a convenient and efficient means of measuring important parameters such as the coupon to soil AC discharge current density or the coupon to soil instant-OFF potential.



1cm<sup>2</sup> AC Coupon

**AC coupons:** - are accurately sized to provide the ability to measure maximum AC current discharge from a pipeline in areas subject to interaction from overhead AC power transmission systems. The value so recorded provides a vital indication as to whether AC corrosion could be occurring on the pipeline.

The coupon consists of a steel disc with an exposed area of 1cm<sup>2</sup>, fitted into thick red PVC housing. The connection between the coupon and the cable is potted to stop the ingress of moisture. Three standard cable lengths are available, 5metres, 10metres and 20metres.



25cm<sup>2</sup> DC Coupon

**DC coupons:** - provide the ability to measure an error-free 'instant-OFF' pipe to soil potential, to prove the level of cathodic polarisation achieved on the pipeline. They are particularly useful in areas subject to DC stray currents and on all cathodic protection systems where the synchronised interruption of DC current supplies is complex or impractical.

The coupon consists of a steel plate with an exposed area of 25cm<sup>2</sup> fitted into a 75mm square housing. The connection between the coupon and the cable is potted to stop the ingress of moisture. Three standard cable lengths are available, 5metres, 10metres and 20metres.

The standard cable used is 6mm<sup>2</sup> 6491X Blue on the AC coupons and 10mm<sup>2</sup> 6491X Blue on the DC coupons, other cable sizes or colours can be supplied.

**Buckleys** are able to provide a variety of specifically designed coupons to meet various pipeline operator requirements, please contact our sales department for advice.

### **AFTER SALES SERVICE / TECHNICAL SUPPORT**

All Buckleys products are manufactured under the controls established by a quality management system that meets the requirements of BS EN ISO 9001:2008 and are supplied with a one year "back-to-base" warranty. The equipment is proven to be robust and reliable and will give years of service if maintained in accordance with our instructions.

Advice on specific applications for all Buckleys products is available from our technical department. Contact us by telephoning, sending a fax or by e-mail using the contact details below.

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