

ColcheK™

Developed in association with Dinsley Devices Ltd the ColcheK system is a compact and rugged unit designed specifically to detect corrosion in steel tubes. Applications include pipework and risers passing through bulkheads and deck plates on board ships and offshore installations, lighting columns and lamp posts embedded into the ground and all other applications where access is limited.

The system is deployed from the outside of the pipe and a small search head used internally to detect loss of wall thickness. When used for the routine inspection of lighting columns there is no need to excavate the site as the ColcheK can detect a 5% loss of wall section as far down as 750mm below the ground level.



Lighting columns are most susceptible to corrosion at and slightly below ground level. Water, road salt and other chlorides plus oxygen from the air combine to make this a highly corrosive area.

Using the normal access door, the ColcheK probe is able to scan the critical area and give an instant reading of the percentage loss of wall thickness on the instrument meter.

Designed and Manufactured Under License from Dinsley Devices Ltd

By

The Validation Centre (TVC) Ltd

**Unit 9 Sinclair Court, Faraday Road, Gapton Hall Industrial Estate,
Great Yarmouth, Norfolk, NR31 0NH. United Kingdom**

Tel:++44(0)1493 443800 Fax:++44(0)1493 443900

Web: www.tvcalx.co.uk Email: sales@tvcalx.co.uk

ColcheK™

TECHNICAL SPECIFICATION.

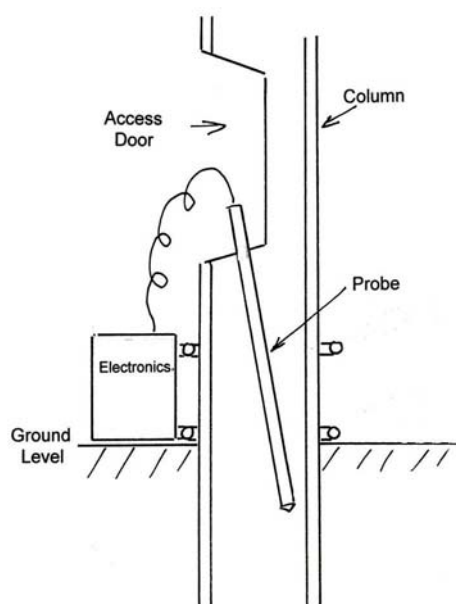
Overall Dimensions: 600mm x 300mm x 210mm (Excluding Probe)

Weight: 7.5 Kg

Power Supply: 12v Sealed Lead Acid Battery

Probe Reach (standard): 1 metre

Resolution: 5mm @ 750mm Depth.



Schematic diagram of ColcheK in use

Suitable for use on painted or galvanised columns up to 275mm dia.

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