

PROTECTA-LINE

TRACEABLE PIPE AND FITTINGS

EASY detection of buried pipe and joints through simple tracing procedure

Protecta-Line service pipe can be traced from an above ground meter box employing suitable underground plant detection equipment (C.A.T. & Genny) in the conductive mode. The aluminium layer provides a conductive medium, eliminating the need for any additional tracing aids such as separately laid wires.

- Simple procedure with no specialist training needed
- Accurate utility resource mapping allowing planning the route of new services or alterations more efficiently
- Minimal excavation - lower excavation related costs and less damage to pipes and cables
- Cost savings compared with use of transondes or ground penetrating radars



A simple radiodetection procedure developed by GPS PE Pipe Systems makes it easy to locate buried Protecta-Line water pipes and fittings, long after they have been installed.

Tracing Procedure

Equipment

- C.A.T. and Genny
- Hand scraper
- Water-proof tape (optional)
- Earth clamp for pipes 12-32mm, suitable for outdoor use (as pictured above; available from major electrical suppliers).



Procedure

1. Expose a small area (approximately 10mm square) of the aluminium barrier layer by scraping away the outer protective polyethylene layer with a hand scraper. The access door of the meter box may be removed for convenience.
2. Fit an earth clamp to the service pipe, ensuring that the sole makes good contact with the exposed aluminium.
3. Connect the red input lead from the Genny to the earth clamp and the black lead to the earth spike which has been positioned perpendicular to the anticipated route of the service pipe.
4. Set the C.A.T. to G mode. The service pipe can now be traced following the standard tracing procedure for C.A.T. and Genny (refer to the manufacturer's instructions). If there is a joint along the service route, it will be indicated by a loss of a signal at the C.A.T.
5. On completion of the exercise, remove the earth strap to prevent damage to the meter box insulation and if necessary, wrap the exposed aluminium with a water-proof tape. If removed, the access door to the meter box should be replaced and secured.



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