

Pipe Locator/Pearson Survey Equipment MK VI



The Solutech/Termain MK VI is a high-powered Pipe Locator and Pearson Survey System suitable for use on epoxy coated, as well as coal tar, bitumen and tape coated pipelines.

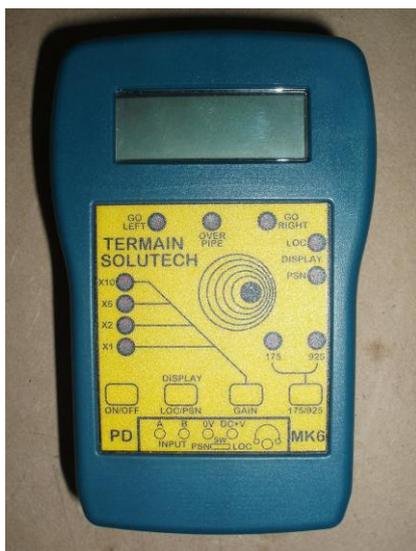
The system can be used to ascertain the exact location of discontinuities and “holidays” in the coating of pipes using the Pearson Survey method. It can also be used to locate shorts or undesirable electrical contacts to other buried structures and to determine the depth of pipes, cables etc.

The system incorporates a stationary transmitter with its own integral battery for low power surveys, which is connected to the pipeline at a convenient point. Pipe location over distances in excess of 6 miles (approximately 10km) can be achieved without advancing the transmitter. The system also incorporates full Pearson Survey facilities. An output is available to allow the user to record the survey by means of a data logger (not supplied by Solutech).

The power output is adjustable to achieve optimum matching and can be switched to either pulse or continuous.

The receiver is a self-contained unit with its own battery supply and integral aerials. A highly selective tuned circuit is used to reduce unwanted pick up and interference.

LOCATOR/CONTROL/DISPLAY UNIT TYPE PD MK VI



Pearson Survey

- Supply voltage: 6V (four AAA cells)
- Operation time with new batteries: 25 hours continuous use
- High resolution 12.5mm liquid crystal display
- Supply current - nominal 20mA
- Output power – 300mW
- External headphones – 8 ohms or greater
- Frequency of operation – Tuned to nominal 927Hz +/- 0.25% or 175Hz +/- 0.25%
- Integral Pipe Locator with directional indicating L.E.D.'s which works at all times, thus removing the possible need for a second locating receiver when conducting

TRANSMITTER

- Supply voltage 11-14 volts DC (car battery)
- An internal 3AH lead acid gel type battery is provided for short duration low power surveys
- Supply current for continuous output is 3.0A
- Supply current for pulsed output average is 1.5A
- Power input for continuous full output is 36 watts
- Power input for pulsed output is 18 watts
- The marked space ratio of pulsed output is 1:1
- The output voltage is switched from 2 to 110V at full load with visual indication above 55V
- Power output is 24 watts maximum
- Output frequencies 175 Hz and 925 Hz continuous adjustable +/-10%
- Electronic overload protection reverse external battery protection by polarised relay
- Transmitter battery charger is automatic

NB All parts are compatible with previous models