

Model 480

Pipe & Cable Locator



Metrotech's versatile 480 Pipe and Cable Locator is a cost-effective instrument that allows the user to locate both inductively and conductively. Incorporating peak and null modes, the 480 gives users the ability to locate the vicinity of the line, and pinpoint its location. Line location is clearly indicated on a visual meter, accompanied by a distinct audible tone.

With the integration of optimized signal frequency, better focus on the target conductor is achieved without creating noise on active communication lines. A loudspeaker is built-in (or optional headphone set can be used) to override background noises.

The 480 can be mounted on a carrying handle to conduct blind searches, ground surveys, or to locate underground metal masses. For greater tracing accuracy and easier depth determination, the antenna can be positioned closer to the ground with the 4810 inductive probe. A Metrotech Sonde can be added to trace the path of non-metallic pipe.



Two modes provide versatility and locating accuracy:

Peak Mode
Null Mode

Visual and Audible line location methods

Bubble Level for accurate depth determination

Loudspeaker overrides background noise

Signalator Tone Interruption extends battery life from 200 to 500 hours

Easy to use, rugged design ensures functionality



METROTECH®
see beneath the surface





Model 480 Receiver Technical Data

| | | |
|---------------------------------------------------|----------------------------------------------|-------------------|
| Sensitivity (at loop for 50% meter deflection) | Low | 44 microvolts p-p |
| | Medium | 4 microvolts p-p |
| | High | .4 microvolts p-p |
| Battery Type | 6 C Alkaline Cell batteries | |
| Battery Life | 250 hours average | |
| Operation Temperature | -20° to +50° C (-4° to +120° F) | |
| Dimensions | 29.5cm W x 23cm H x 8cm D (11.6 x 9 x 3) | |
| Weight | 1.9 kg (4.25 lbs.) | |

Model 480 Transmitter Technical Data

| | |
|-----------------------|----------------------------------------------|
| Nominal Output Power | |
| Inductive Mode | 100mW Average |
| Conductive Mode | 125mW Average |
| Output Frequency | 83kHz modulated@385Hz |
| Battery Type | 6 C Alkaline Cell batteries |
| Battery Life | 400 hours average |
| Operation Temperature | -20° to +50° C (-4° to +120° F) |
| Dimensions | 29.5cm W x 23cm H x 8cm D (11.6 x 9 x 3) |
| Weight | 1.6 kg (3.5 lbs.) |

Specifications subject to change without notice.
Instrument is for use on metallic conductors only.



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Purchasing

Metrotech's Model 480 comes standard with a Transmitter, Receiver, Conductive Attachment, Ground Rod and Plate, and Operating Manual.

Optional Accessories

- **MetroClamp** p/n 4820
(The 4820 MetroClamp is optimally tuned to be used with the 480)
- **Inductive Probe** p/n 4810
- **Carrying Handle** p/n 200766
- **Carrying Case** p/n 500C071
- **Headphones** p/n 183045
- **Sonde** p/n SON834

Warranty

One year warranty provided on all parts and labor.



Service Center, Ordering, and Technical Support Information

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Western United States Service Center
488 Tasman Dr., Sunnyvale, CA 94089
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