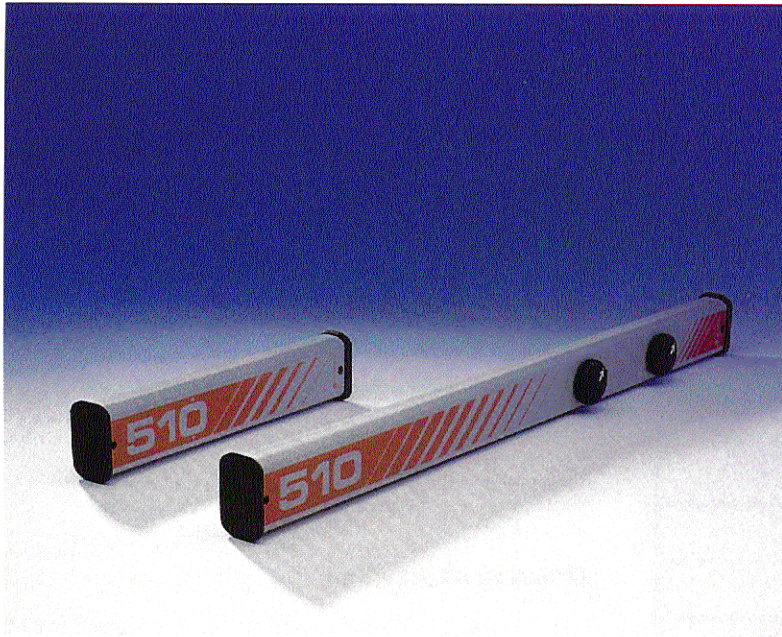


METROTECH[®]

Model 510 Pipe and Cable Locator



*Sleek, Lightweight Receiver -
Comfortable, Upright Locating*

*Peak and Null Operation - for
Precise Locating*

*Advanced Compression Circuitry -
Provides Crisp Response in
Congested Areas*

*High Efficiency Ferrite Antenna -
Gets More Power on the Line*

*Crystal Control - Prevents
Frequency Drift and Maximizes
Receiver Response*

*Narrow Band Antenna - Eliminates
All Interfering Frequencies*

510 Pipe and Cable Locator

This sleek, compact Metrotech 510 Pipe and Cable Locator is an innovative, cost effective answer to the needs of general underground utility locating. Imaginative technical design has put more performance into a smaller package.

The lightweight, (1.75 lb.), 30 inch Receiver can be held comfortably in one hand from an upright position. The signal strength meter is in line-of-sight, and you can easily adjust the gain control with a finger or thumb. With a slight adjustment in instrument orientation you can switch from peak to null operating mode and pinpoint your conductor.

The Model 510 compression circuitry, crystal control, and narrow band antenna features provide a clear, crisp Receiver response, even in congested areas. The Receiver length gives you the same advantages as higher priced locators - sensors are closer to the

transmitted signal, providing greater distance and depth capabilities. The conductor centerline is more obvious, and the 510 Receiver can penetrate shrubbery and tall grass.

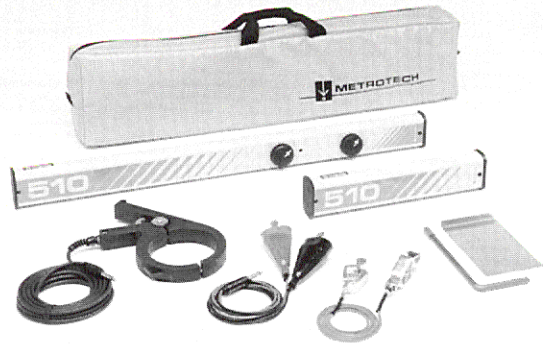
Deceptively small, the Metrotech 510 Transmitter operates in all standard locate modes - Direct Connect, Inductive Coupling, and Induced Signal. A sealed jack is located at one end for connecting the 4820 Metroclamp or conductive attachment. This rugged, compact, one pound Transmitter easily fits into tight access areas.

An efficient ferrite antenna puts more concentrated power on your conductor. Locating depth and distance ranges are equivalent to more sophisticated locators. Graphics on the Receiver denote alignment for triangulation depth measurement. Both the Transmitter and the Receiver feature an automatic battery test on power up.

TECHNICAL SPECIFICATIONS

TRANSMITTER	
Nominal Output Power Conductive Mode: 100 mW avg. across 1k ohms	
Output Frequency: 83 kHz Continuous Wave	
Battery Type: Four size AA Alkaline Cells	
Battery Life: 30-60 hours Continuous Use	
Operation Temperature: -4 to +122 degrees F (-20 to +50 degrees C)	
Dimensions: 13"L x 2 3/4"H x 1 3/4"D (33 cm L x 7 cm H x 4.5 cm D)	
Weight: 1 lb (0.45 kg)	
RECEIVER	
Sensitivity: < 1 microamp (Req'd signal at 3 ft. for 50% meter deflection)	
Battery Type: Two size 9V Alkaline Cells, Neda 1604	
Battery Life: 120 hours average continuous use	
Battery Check: Automatic power-on	
Operation Temperature: -4 to +122 degrees F (-20 to +50 degrees C)	
Dimensions: 30 1/2"L x 2 3/4"H x 2 1/8"D (77.5 cm L x 7 cm H x 5.4 cm D)	
Weight: 1.75 lbs (0.8 kg)	

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



Standard Equipment

The Metrotech 510 consists of a Transmitter, Receiver, Carrying Case, Conductive Attachment, ground rod and plate, anchor cord, and Operation Manual.

Accessories

Metroclamps - 4290 (2"), 4820 (4"), 4890 (8"), Conductive Attachment with telephone style clamps (P/N 400B246), 100 foot Ground Lead Extension (P/N 400A132), Sonde (P/N SON830), and Sheath Fault Locator (P/N SFL-2).

Warranty

One year warranty on parts and labor.

Ordering Information

For ordering information and dealer referral please contact Metrotech Corporation:

Tel: 1 800/446-3392 U.S. Canada
1 408/734-1400 International
Fax: 1 408/734-1415

Technical Support/Service Centers

For technical support, service, and repair contact:

Metrotech West Coast Service Center

488 Tasman Drive
Sunnyvale, CA 94089
Tel: 1 800/638-7682
CA: 1 408/734-1400
Fax: 1 408/734-1415
Internet: <http://www.metrotech.com>

Metrotech East Coast Service Center

1824 Murfreesboro Road, Suite 104
Nashville, TN 37217
Tel: 1 800/624-6210
TN: 1 615/366-7323
Fax: 1 615/360-9855

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