



VM-810/VM-850 UTILITY LOCATORS

- Simple - Single button operation
- Intuitive - Distance Sensitive Left/Right Guidance™
- Efficient - Real Time fully automatic gain
- Accurate - Depth and current readout
- Compact - Lightweight rugged design

Using the correct frequency makes a world of difference when locating buried utilities. The depth of the utility, size, material, and amount of congestion (proximity of other utilities) all need to be taken into consideration for the correct frequency selection. Large diameter, direct buried pipes with bell housing ends that use insulators and rubber gaskets, such as water or gas require a higher frequency while smaller diameter, well-grounded direct buried or long distance in conduits work better with a lower frequency. Both the VM-810 and VM-850 have sonde modes to aid in the location of non-metallic pipes and ducts.

The VM-810 operates at 83.1kHz which is ideal for water and gas utilities which generally are larger pipes with bell housings and gaskets. The VM-810's higher frequency is also good for locating ungrounded small diameter drop wires and inducing signals through the soil, onto services when direct connecting is not an option.

The VM-850 operates at a much lower frequency of 9.82kHz which is ideal for smaller diameter utilities such as CATV, power and telephone with less bleeding onto adjacent services.



Line mode shows left/right guidance with compass.
Depth reading in imperial or metric units with current measurement.

Sonde mode shows left/right guidance with compass.
Depth reading in imperial or metric units.

240V AC Output protection

Induction, Direct Connect and Clamp modes

Large keypad usable while wearing gloves

High and low out put control

Transmitter Power

VM-810 - Six D Cell alkaline batteries provide over 60-hour of battery life.

VM-850 - Internal Li-ion rechargeable battery provides over 40-hour of intermittent usage.

Speaker Volume Control

Telescoping tube for compact storage

Left/right guidance with compass indicator in line and sonde modes

2.7"/68mm (400x240) TFT Display with backlight

Single-button operation

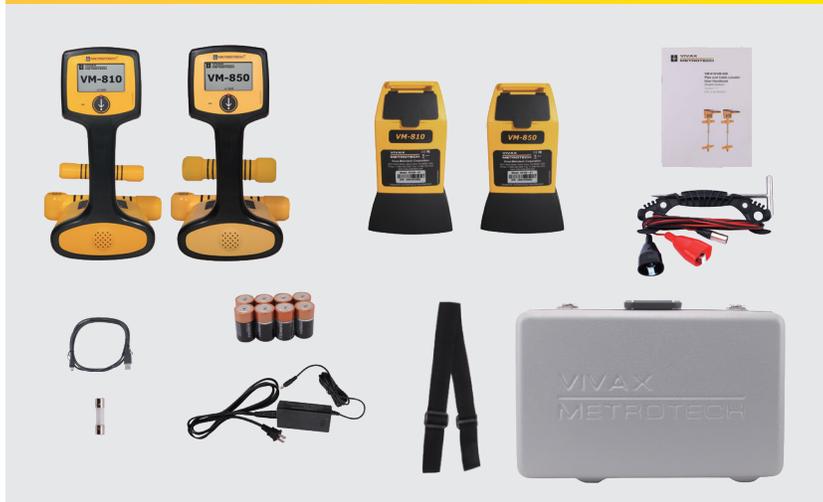
Two D-Cell alkaline batteries provide 65-hour of battery life

Audio guidance tone matches left/right guidance display

Backed by Vivax-Metrotech's superior dealer network, customer service and service centers.

	VM-810	VM-850
Frequencies	83.1kHz (83,077.5Hz)	9.82kHz (9,820Hz)
Display	Black & white TFT 2.7" LCD WQVGA display (400 x 240 pixels)	
Output connector	3-pin XLR connection socket	
Power	Receivers: 2 x D Cell Alkaline Batteries	
	6 x D Cell Alkaline Batteries	Custom Lithium-ion pack
Battery life	Receivers: Typically 65 hours of continuous use at 70°F (21°C)	
	Typically 60 hours	Typically 40 hours
Construction	Receivers: High-impact ABS plastic with retractable aluminum antenna tube. Transmitters: High-impact ABS plastic	
Weight	Receiver: 3.1lbs/1.4kg	Receiver: 3.1lbs/1.4kg
	Transmitter: 2.95lbs/1.34kg	Transmitter: 4.1lbs/1.86kg
Dimensions	Receivers: Collapsed: 22in(L) x 8.3in(W) x 11in(H)(560mm x 210mm x 280mm) Extended: 31.1in(L) x 8.3in(W) x 11in(H)(790mm x 210mm x 280mm) Transmitters: 9.4in(L) x 4.6in(W) x 7.2in(H)(239mm x 117mm x 182mm)	
Warranty	Receiver and Transmitter -12 months	

What's in the box



Local Vivax-Metrotech Distributor:

Popular Accessories



2", 4", 5" and 18" Induction Clamps



Live Plug Connector



Ground Extension Leads



Telco Clip Direct Connection Lead



Heavy Duty Clip Direct Connection Lead



Sondes

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