VIVAX METROTECH

indepth UTILITY SOLUTIONS

281-969-8530

10-Watt SiS Transmitter

Loc3 Series Broadband Transmitter

- **Built-in AVO meter**
- **Optional transmitter-to-receiver radio link**
- **Lightweight - Only 7.15 lbs. / 3.24 kg with Li-ion battery**
- **AC/DC external power sources**
- **SD and SiS modes for positive location in congested areas**

The Loc3-10SiSTx 10-watt broadband transmitter has selectable induction and direct connection frequencies from 98Hz to 200kHz, SD (Signal Direction), fault find and true resistance measurement up to 1 Mohm are all standard. The two inch by one inch dot matrix display with LED backlight shows output current, connection type, volts, resistance, frequency, volume, battery condition and high voltage warnings.

The Loc3-10SiSTx Transmitter provides full support for the new Signal Select and Distortion Alert line ID features available when used with the vLoc3-5000 receiver. Signal Select (SiS) is a system that helps confirm to the user that the correct line is being located and also conveys information relating to the quality of the signal being detected. When a transmitter is connected to a target line, the signal travels along it and finds the easiest way to travel back, usually via the ground and ground stake. However, very often the signal will travel back along adjacent cables or pipes as these can offer an easier route. As a result, there can be multiple signals radiating from cables and pipes in the area making it difficult to identify the target line. Signal Select is available from 491hz to 35Khz, offering the operator a range of frequencies for use depending on the application or utility. Signal Select will identify the direction the signal is flowing and hence the target line.

The Signal Direction (SD) mode feature verifies if the line being located is the target line that the transmitter is connected to. When a transmitter is connected to a target line, the signal travels along it and finds the easiest way to travel back, usually via the ground and ground stake. However, very often the signal will travel back along adjacent utilities which offer an easier route. As a result, there can be multiple signals radiating from utilities in the area making it difficult to identify the target line. These return signals are typically traveling in the opposite direction than the applied signal. The Signal Direction feature identifies which direction the signal is flowing and hence the target line.

The optional Transmitter Link (Tx-Link) installed in the receiver and transmitter, remote operation of the transmitter from the receiver is possible. The range of the radio transmitter link depends on having a clear “line of sight” between receiver and transmitter but is typically around 985 ft. / 300m.

Packaged in a lightweight, rugged, ergonomic IP54 housing, the transmitter provides consistent current output in direct connect, clamp or induction modes and protection against incoming voltages up to 240V.

	Loc3-10SiSTx Transmitter Specifications
Construction	High impact ABS injection molded housing
Weight and Dimensions	6.2lbs (2.8kg), 13.1in(L) x 7.2in(W) x7.3in(H) (332mm x 182mm x 185mm)
Display	2.4in x 1.3in (60mm x 32mm Monochrome-dot-matrix graphic LCD display with LED backlight
Battery options	Supplied with 12 x D cell alkaline batteries Optional Li-ion rechargeable battery tray with charger
Battery life	At 70°F (21°C) - continuous use (based on the battery type and quality) **Output Power** **Alkaline** **Li-ion (Rechargeable)** 1 watt 25 hours 50 hours 5 watt 6 hours 10 hours 10 watt 4 hours 6 hours Li-ion batteries will withstand 500 charging life cycles
Operating Frequencies	**Induction** - Multiple induction frequencies between 98Hz and 200kHz **Direct Connection** - Available frequencies between 98Hz and 200kHz, SD and **SiS Clamp** - Frequencies between 8kHz to 131kHz
Operating modes	**Induction mode** - applies signal inductively using internal antenna **Direct connection mode** - applies signal directly to the cable by clipping one output lead to the cable, the other to an independent ground **Clamp mode** - applies signal using an inductive clamp (aka toroid or coupler) that is placed around the target pipe or cable **SiS and SD modes** - provides positive line identification in congested areas
Output Protection	Output protected against accidental momentary connection to up to 240V AC
Environmental	IP54 and NEMA 4

What's in the box

Popular Accessories

Transmitter Link

Rechargeable battery

DC power lead

Clamps

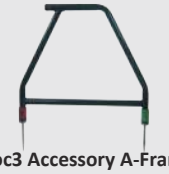
Live Plug connector

Live cable connector

Compatible Receivers

vLoc3-5000

VM-510FFL+


vLoc3 Accessory A-Frame

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