



**VIVAX**  
**METROTECH**

# FLS-2 Transmitter

## Fiber (Optic) Locate System



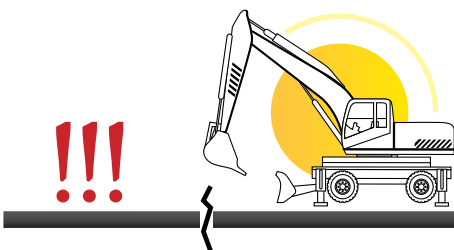
# FLS-2 (Fiber Locate System 2) Rack Mount 50-Watt Transmitter for Monitoring and Location

Fiber optic cables are a critical part of modern life. From the vast amount of data that they carry (supporting Global Business) to the individual internet users and more importantly emergency services, the FLS-2 system is at the heart of damage prevention for fiber optic cables.

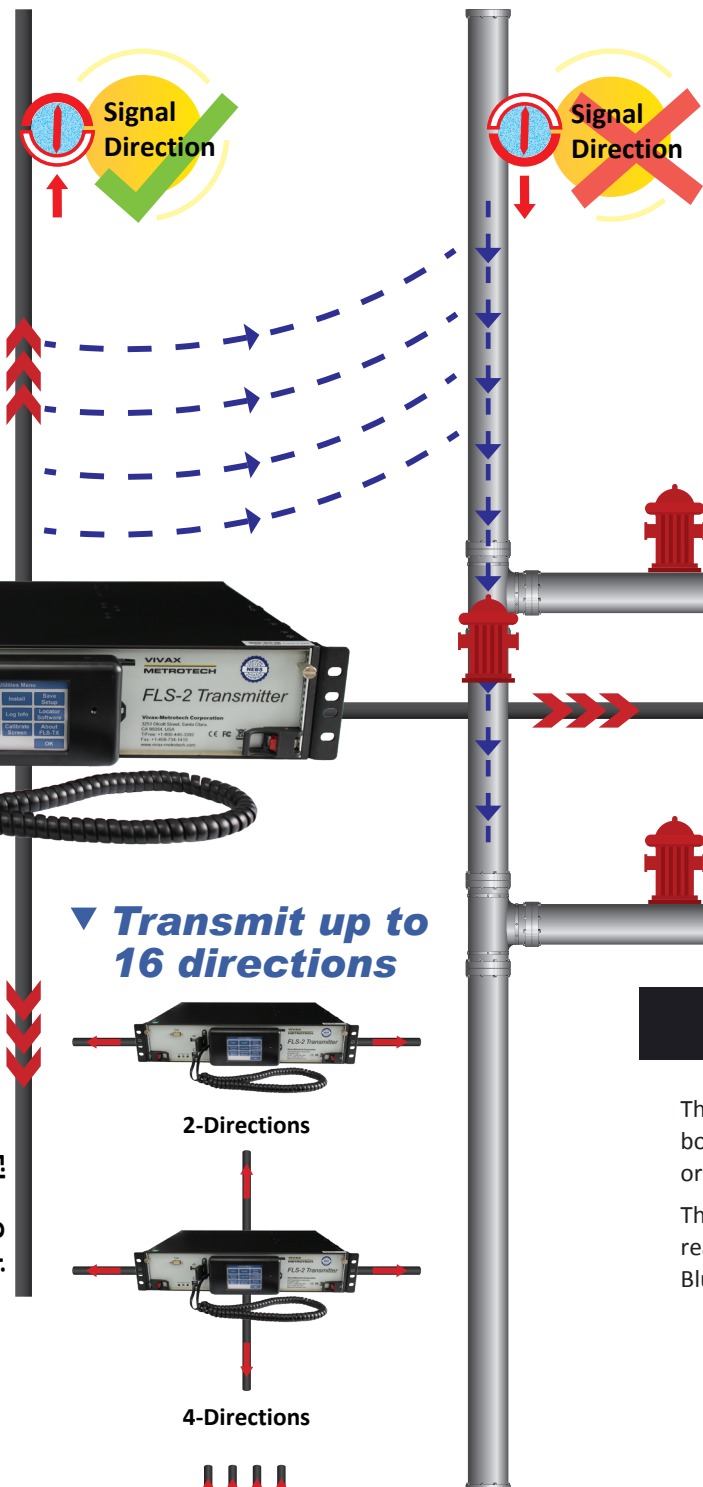
## Rack mounted 50-Watt Transmitter

At the heart of the FLS system is the transmitter. The high power locate tone source is typically mounted in a (re-gen) station, customer access point, or central office. It is powered locally by available DC or AC power supplies. The FLS-2 transmits a signal direction locate tone on the metallic sheath of the fiber cable over vast distances to ensure the cable is located quickly and accurately in congested areas.

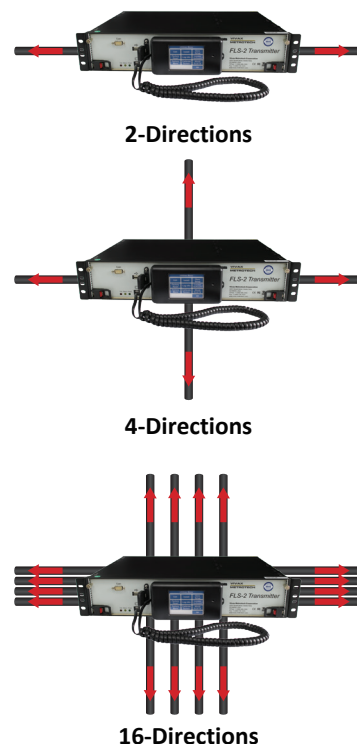
- Signal Direction (SD) technology
- Custom frequencies available (including ELF)
- Powerful rack mounted 50-watt transmitter
- Auto impedance matching for maximum efficiency



50-Watt Output



Transmit up to 16 directions



## Remote Access and Operation

Remote access and control of the unit saves travel time to the transmitter site. Field technicians can now be dispatched directly to the locating area. Remote access can be achieved by a PC/laptop with modem, via phone line-telephone network Ethernet access via IP address.



## Benefits, Advantages and Savings

- Carefully managed transmitter sites and electrical grounding will confirm that the locate tone is applied to the correct line, every time.
- Near perfect grounding at (re-gen) stations ensures maximum locate tone efficiency.
- Fiber optic cable not compromised (example: grounds being lifted and not replaced correctly).
- Signal Direction (SD) tone confirms the correct line is located.
- Permanently installed transmitters allow field operatives to carry only the receiver. One transmitter will support an area of hundreds of kilometers/miles.
- Reduce equipment count and frees up space in the support vehicles.

## Increase Revenue

Preventing damage, whether by the owner or third parties is essential to increase customer loyalty.

Fast and efficient identification of lines, reducing the window of potential danger from construction activity operating near a fiber optic line.

A dedicated protection system boosts investor confidence.

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.

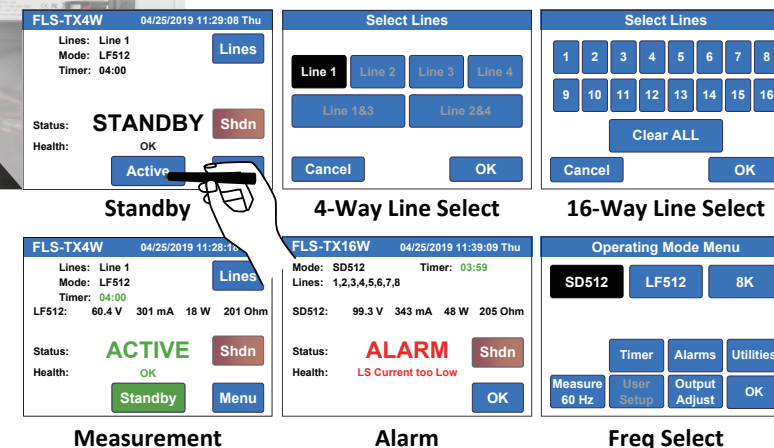


As a result, there can be multiple signals radiating from cables and pipes in the area making it difficult to identify the target line. These return signals are typically traveling in the opposite direction than the applied signal. The Signal Direction feature identifies which direction the signal is flowing and hence the target line.

## Information at your fingertips



Rack mount installation



Stylus touch screen

## FLS-2 Compatible Receivers

These vLoc3 series receivers include Vector Locate for fully automatic non-walk over locating, Transverse Graph showing both peak and null simultaneously providing immediate measurement of signal distortion, Plan View showing the relative orientation of the cable at any angle, and a graphical Sonde screen.

The vLoc3 series receivers contains eight passive locate modes, fault-find mode, SD (showing direction of outgoing current) real-time distortion alerts and a range of configurable frequencies from 16Hz to 200 kHz. All the receivers offer optional Bluetooth communication for use with GPS modules and real-time mapping.



vLoc3-Pro Precision Receiver



vLoc3-5000 Precision Receiver with SIS



vLoc3-ML Precision Receiver and EMS locator

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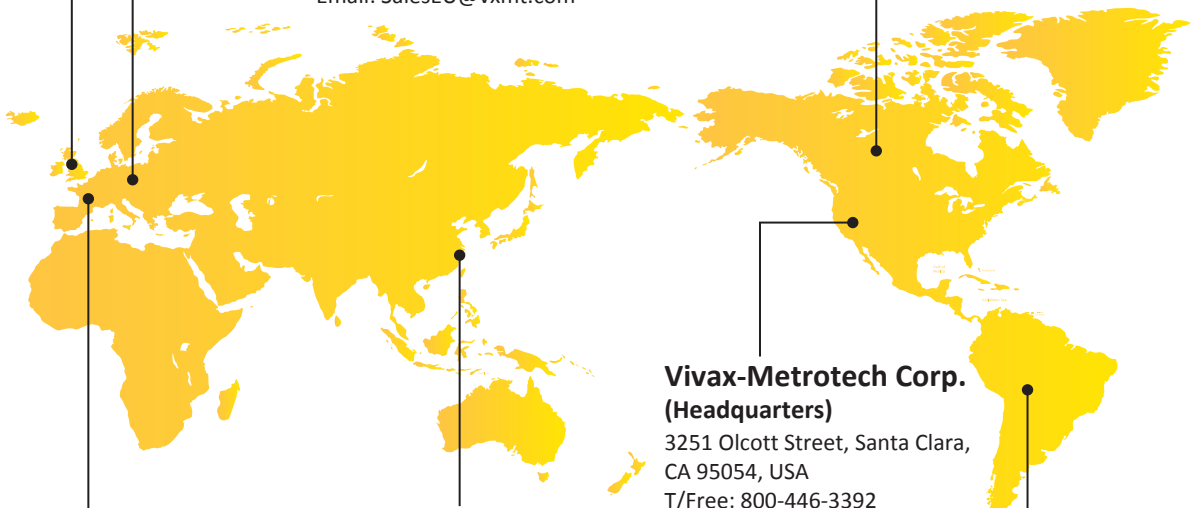
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V1.2 (Dec 2019)