

TECHNICAL DATA

Fluke SmartTrace™ AF2082 A-Frame Accessory for Underground Utilities Locator



Key features

- Quickly pinpoint underground cable faults
- Works with Fluke underground utility locator systems
- Rugged design for demanding field environments
- Easy-to-use A-Frame for accurate fault locating
- Speeds troubleshooting and reduces excavation time

Product overview: Fluke SmartTrace™ AF2082 A-Frame Accessory for Underground Utilities Locator

The Fluke AF2082 A-Frame is a specialized accessory designed to help technicians quickly locate faults in underground cables. When used with compatible Fluke underground utility locator systems, the AF2082 enables precise fault detection by measuring voltage gradients in the ground, helping crews pinpoint damaged cables faster and with greater accuracy.

Underground cable faults can lead to costly downtime, service disruptions, and extensive excavation if the fault location is uncertain. The AF2082 simplifies this process by guiding operators directly to the fault point. By inserting the A-Frame probes into the ground and following the measured signal gradient, technicians can determine the exact location of insulation breakdowns or cable damage—reducing guesswork and minimizing unnecessary digging.

The AF2082 is designed for use in demanding field conditions where durability and reliability are essential. Its rugged construction and ergonomic design make it well suited for utility technicians, contractors, and maintenance teams

working in environments such as power distribution networks, telecommunications infrastructure, industrial facilities, and municipal utilities.

When paired with Fluke underground utility locating systems, the AF2082 becomes part of a comprehensive workflow for locating, tracing, and diagnosing buried utilities. After a cable or pipe has been traced using a transmitter and receiver, the A-Frame can be used to accurately identify the exact point of a ground fault. This helps speed up repair operations, improve troubleshooting efficiency, and reduce disruption to surrounding infrastructure.

The Fluke AF2082 A-Frame helps technicians work faster and more confidently by providing a reliable method for pinpointing underground cable faults. By enabling precise fault location and reducing excavation time, it helps crews restore service quickly while minimizing costs and site disruption.

Specifications: Fluke SmartTrace™ AF2082 A-Frame Accessory for Underground Utilities Locator

Specifications	
Tracing mode (de-energized)	8 kHz (8,192 Hz)
Locating mode	Ground fault locating
Sensitivity (typical)	Cable locate mode at 1 meter depth: 10 uA Fault locate mode: up to 2 MΩ fault
Display backlight	Automatic
Audio indication	Speaker indicates left/right by pulsed/continuous tone
Compatible transmitter	2082T Transmitter
Display	1.28 in (33 mm) 128 x 128 BW outdoor LCD display with auto backlight
Update rate	Instantaneous
Power supply	Six (6) 1.5 V AA IEC LR6
Auto power off	15 minutes idle
Battery life (Typical)	Up to 60 hours at 21 °C (70 °F)
Low battery indication	Blinking

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