AF-600 A-Frame
Ground Fault Finder

Save time and money by pinpointing leakage points

The AF-600 A-Frame is designed to be used with the UAT-600 Series Underground Utilities Locator Kits

Ground faults are a common problem with electrical cables. Find any fault with the AF-600 A-Frame cable ground fault finder, specifically designed for use with the Amprobe UAT-600 Series.

Set up the UAT-600-T Transmitter to apply a fault find signal to the utility under test, the AF-600 A-Frame receives the signal and locates the place of the fault. The AF-600 will pinpoint where a cable metal conductor (either a sheath or a metallic conductor of the wire) touches the ground and can also detect other conductors to ground faults such as pipeline coating defects.

Features and Highlights

- **Identify any point of leakage** around a cable
- **Locate cable and wire** ground faults, sheath faults or pipeline coating defects, where the utility is in direct contact with the ground
- **Find the exact point** where metal is touching the ground and power is leaking, ie, a shield is rusted or a rubber buffer is broken, creating noise on a cable
- **Advanced technology and digital signal processing** makes pinpointing process fast, accurate and clear:
  - **Compass guidance** with numeric fault field strength indicates the direction of the fault
  - **Distance sensitive left and right arrows** guides the user to precisely follow the path of the buried utility
  - **Automatic gain control** quickly detects tracing signal and precisely adjusts the A-Frame sensitivity
  - **Adjustable volume controls**

AF-600 A-Frame Accessory*
Ground Fault Finder
*(Designed for use with the UAT-610 and UAT-620 Kits)

Safety Certification

All Amprobe tools, including the Amprobe AF-600 A-Frame, are rigorously tested for safety, accuracy, reliability, and ruggedness in our state-of-the-art test lab. In addition, Amprobe products that measure electricity are listed by a 3rd party safety lab, either UL or CSA. This system assures that Amprobe products meet or exceed safety regulations and will perform in a tough, professional environment for many years to come.

Specifications

	AF-600 A-Frame
Tracing mode (de-energized)	8 kHz
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	UAT-600-T Transmitter
Display	1.28 in, 128 x 128 BW outdoor LCD display with auto backlight
Update rate	Instantaneous
Operating temperature and humidity	-4 °F to 122 °F (-20 °C to 50 °C), ≤90% RH
Storage temperature and humidity	-40 °F to 140 °F (-40 °C to 60 °C), ≤90% RH
Operating altitude	< 6561 ft (< 2000 m)
Pollution degree	2
Water and dust resistance	IP54
Drop proof	3.28 ft (1 m)
Power supply	(6) 1.5 V AA alkaline batteries
Auto power off	15 minutes idle
Battery life	Approx. 60 hours at 70 °F (21 °C) (Typical)
Certifications	
Safety compliance	IEC 61010-1, CSA/UL 61010-1
Size (H x W x L)	Approx. 14 x 9 x 4.7 in (355 x 230 x 120 mm)
Weight	Approx. 4.2 lb (1.9 kg) (batteries installed)

AF-600 A-Frame includes: A-Frame Receiver, (6) 1.5 V AA (IEC LR6) Batteries, Carrying Case, User Manual

Clearly view the auto back light LCD display in bright sunlight and all other outdoor conditions

The AF-600 A-Frame pinpoints fault locations with the UAT-600-T Transmitter

The AF-600 A-Frame comes complete with batteries and a carrying case

Customers who use Amprobe Underground Locators

- Commercial and Residential Construction Contractors
- Water, Gas and Electric Installation & Repairs Crews
- Pipe Laying Contractors
- Cable TV & Telecommunication Companies
- Electricians & General Contractors

Electrical Safety CAT IV 600 V

UAT-620
Underground Utilities Locator Kit

The AF-600 A-Frame is designed to be used with the UAT-600 Series Underground locator Kits UAT-620 and UAT-610.