Transmitter/Receiver
Cable Tracer

Model 6681

Detects and locates faults in electrical cables, telecommunication cables, live and de-energized conductors buried or in walls

- Operates in both single-pole and two-pole modes

- Locates and traces hidden cables

- Detects and locates line breaks

- Detects faults in floor radiant heating systems

- Detects constricted sections of non-metallic pipes

- Detects circuit breakers/fuses

- Detects short circuits

- Backlight and flashlight functions

- Compliant with standards electrical safety standard EN 61010-1 and electromagnetic compatibility standard EN 61326-1

Our products are backed by over 100 years of experience in test and measurement equipment, and encompass the latest international standards for quality and safety.

Technical Hotline: (800) 343-1391
www.aemc.com

AEMC® INSTRUMENTS
CHAUVIN ARNOUX GROUP

Renovation. **Improvement.** Maintenance.

Locate hidden cables

Large LCD screen with optimized contrast, bargraph and backlighting for the receiver

The transmitter displays its battery-charge status

To assist your maintenance, renovation and improvement work, the AEMC® Model 6881 detects electrical power cables, telecommunication cables, metal pipes and even restrictions in non-metal conduit.

Comprising a transmitter and a receiver, the Model 6681 is simple to use on both current-carrying and non-current-carrying electrical wiring. Its digital technology overcomes interference and disturbance signals to provide precise location details. The receiver displays the value of the signal measured, which is also shown on a bar chart, and emits audible signals whose amplitudes vary in proportion to the signal distance.

This makes it very simple to follow electrical cables through walls or detect buried pipes. To guide you and simplify your work, the receiver can quickly identify the circuit-breaker or fuses corresponding to the power outlet which the transmitter is connected to. It can be used to detect short-circuits or breaks on existing installations. For example, it is possible to detect faults in under-floor radiant heating pipes. The Model 6681 is lightweight and includes a complete set of accessories for direct measurement.

The receiver displays its battery-charge status and the battery-charge status of the transmitter

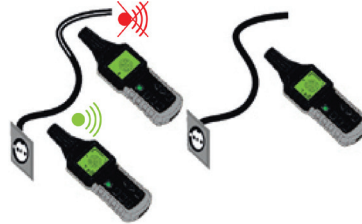Automatic/manual sensitivity detection adjustment

Selects cable detection or line-voltage detection mode

Output power adjustment or transmission code selection

Flashlight activation

For excellent visibility even in the darkest places, the transmitter and receiver include a powerful built-in flashlight

Technical Assistance (800) 343-1391
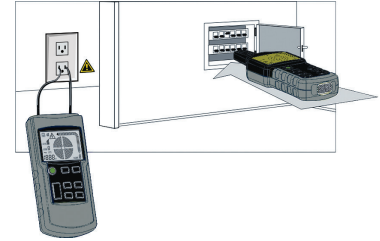
AEMC® INSTRUMENTS

A Single Instrument for Locating All Your Metal Conductors

Location and tracking of branches and outlets

Identification of the network voltage and detection of breaks in the wiring

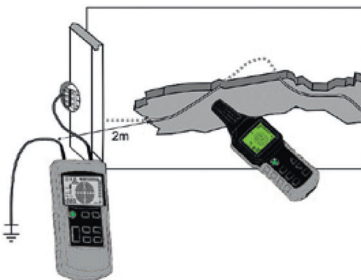**Circuit breaker identification**

Locate line interruptions

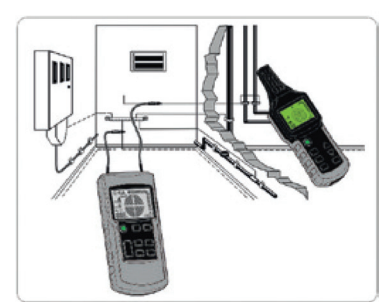**Short circuit detection in walls, flooring or under ground**

Detect crimped or obstructed sections of a non-metallic pipe

Trace buried cable runs

Fault detection in radiant heating systems

Detection of metal heating ducts and water pipes

▶ PRODUCT INCLUDES

6681

Soft carrying case, set of two 4mm red/black test leads, set of two alligator clips, set of two test probes, ground rod, 9V battery, 6 x 1.5V AAA batteries and user manual.

CATALOG NO.	DESCRIPTION
2127.85	Cable Locator Model 6681

www.aemc.com

MODEL	6681 (transmitter)
Display	LCD screen with display of functions and bargraph
Output Signal Frequency	125kHz
External Voltage Measurement Range	12 to 300VAC/DC
Functions	Digital coding of signals for easy signal identification, selection of transmission signal code, flashlight
Power Supply	9V battery
Dimension	7.48 x 3.5 x 1.67" (190 x 89 x 42.5mm)
Weight	14.81oz (420g) with battery
Electrical Safety	300V CAT III

MODEL	6681 (receiver)
Display	Backlit LCD with display of functions and bargraph, transmission code, receiver and transmitter battery-charge status
Detection Depth	
Single-Pole Application	0 to 6ft (0 to 2m)
Two-Pole Application	0 to 1.6ft (0 to 0.5m)
Simple Looping Line	Up to 8.2ft (2.5m)
Line Voltage Detection	Approximately 0 to 1.3ft (0 to 0.4m)
Functions	Automatic shutdown, automatic or manual adjustment of reception sensitivity, flashlight
Power Supply	6 x 1.5V AAA batteries
Dimension	9.5 x 3.07 x 1.5" (241.5 x 78 x 38.5mm)
Weight	12 oz (36 g) with batteries
Electrical Safety	300V CAT III

Visit our website at **www.aemc.com**

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For All Your Electrical Test & Measurement Instruments