

پترو فرهان گستر جنوب

Tehran, Tehransar



C.A 6681  
LOCAT-N

A Single Instrument for Locating  
All Your Metal Conductors



Detection and location  
of faults in electrical cables,  
telecommunication cables and pipes.



# Locate hidden cables

For your housing maintenance, renovation and improvement work, the LOCAT-N C.A 6881 detects electrical power cables and telecommunication cables, metal pipes and even anomalies on your lines.

Comprising a C.A 6881E transmitter and a C.A 6881R receiver, the LOCAT-N C.A 6881 is **simple to use** on both current-carrying and non-current-carrying mains circuits. 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 the bar chart or in the form of acoustic 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 in gardens.

To guide you and **simplify your work**, the receiver can quickly identify the circuit-breaker or fuses corresponding to the socket to which the transmitter is connected. It can be used to detect short-circuits or cuts on existing installations. For example, it is possible to detect faults in under-floor heating pipes. These ergonomic instruments are **lightweight and delivered complete with practical accessories** for direct measurements on screw-in or bayonet lamp sockets or on mains power sockets.



## Applications

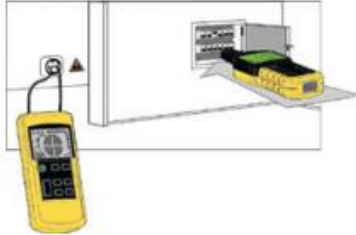


### Location and tracking of lines and sockets

2 measurement methods according to the installation configuration



**Identification of the network voltage and search interruptions in the circuit**



### Identification of fuses

Connect the transmitter to a power socket for simple identification of the corresponding fuse



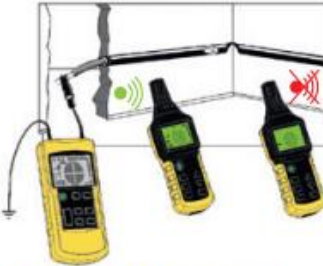
### Location of line interruptions

Quick, simple detection of interruptions in your walls

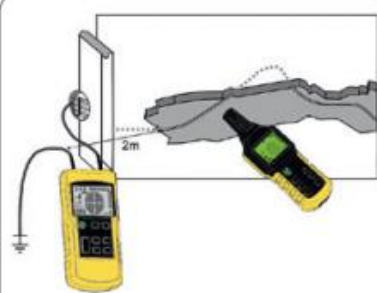


### Short-circuit detection

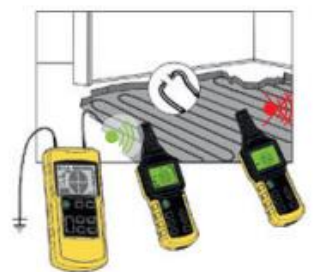
Quick identification of the cause of the problem



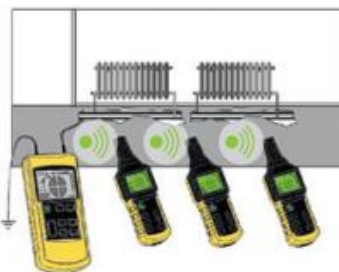
**Detection of the pinched or obstructed part in a non-metallic pipe**



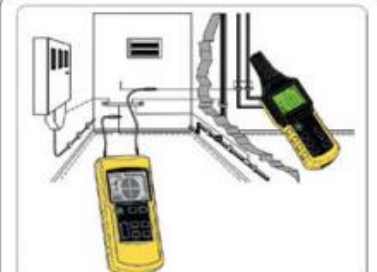
**Tracking of buried circuits**



**Fault detection in under-floor heating systems**



**Detection of metal heating ducts**



**Detection of metal water pipes**

## Technical specifications

C.A 6681E transmitter	
Screen	LCD screen with display of functions and bargraph
Output signal frequency	125 kHz
External voltage measurement range	12 to 600 VAC/DC
Functions	Digital coding of signals for easy signal identification, selection of transmission signal code, torch function
Power supply	9 V battery
Dimensions	190 x 89 x 42.5 mm
Weight	420 g with battery
Electrical safety	300 V CAT III

C.A 6681R receiver							
Screen	Backlit LCD with display of functions and bargraph, transmission code, receiver and transmitter battery-charge status						
Detection depth	<table border="0"> <tr> <td>Single-pole application</td> <td>0 to 2 m</td> </tr> <tr> <td>Two-pole application</td> <td>0 to 0.5 m</td> </tr> <tr> <td>Simple looping line</td> <td>Up to 2.5 m</td> </tr> </table>	Single-pole application	0 to 2 m	Two-pole application	0 to 0.5 m	Simple looping line	Up to 2.5 m
Single-pole application	0 to 2 m						
Two-pole application	0 to 0.5 m						
Simple looping line	Up to 2.5 m						
Identification of mains voltage	Approximately 0 to 0.4 m						
Functions	Automatic shutdown, automatic or manual adjustment of reception sensitivity, torch function						
Power supply	6 x 1.5 V AAA batteries						
Dimensions	241.5 x 78 x 38.5 mm						
Weight	360 g with batteries						

To order



C.A 6681 LOCAT-N    **P01141626**

C.A 6681E transmitter and C.A 6681R receiver delivered in a hard case with 1 set of red/black 4 mm isolated banana leads (straight male / elbowed male), 1 set of 2 crocodile clips, 1 stake for earthing, 1 x 9 V battery, 6 x 1.5 V AAA batteries, 1 measurement adapter for B22 socket (bayonet), 1 adapter for E14 socket (screw-in), 1 mains socket adapter and 1 operating manual in 5 languages.

For information and ordering

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