

# A Single Instrument for Locating All Your Metal Conductors

**CABLE  
LOCATOR**

*RENOVATION  
IMPROVEMENT  
MAINTENANCE*



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

**300 V CAT III**

# 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.

## Transmitter

## Receiver

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

The transmitter displays its **battery-charge status**

Adjustment of output power or change of transmission code



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

Large function keys on front panel

Adjustment of the sensitivity for automatic and manual detection

Selection of cable detection or mains-voltage detection mode



For **excellent visibility** even in the darkest places, each element comes with a **powerful built-in torch**.

# Applications

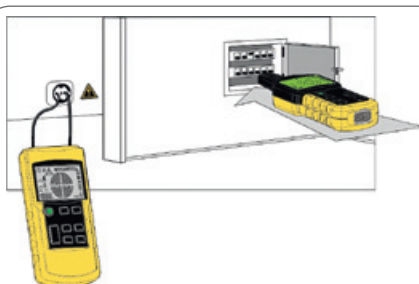


## Location and tracking of lines and sockets

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

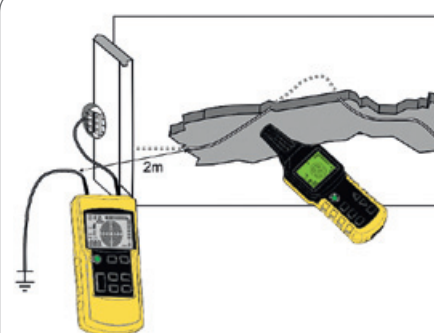


## Short-circuit detection

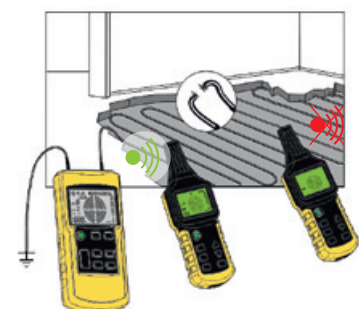
Quick identification of the cause of the problem



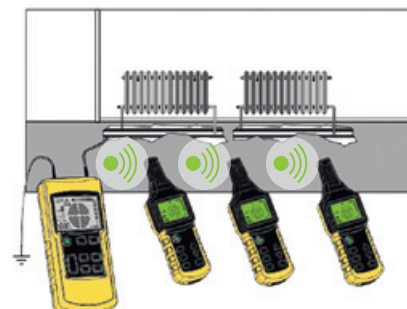
## Detection of the pinched or obstructed part in a non-metallic pipe



## 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

**FRANCE**  
**Chauvin Arnoux**  
 190, rue Championnet  
 75876 PARIS Cedex 18  
 Tel: +33 1 44 85 44 38  
 Fax: +33 1 46 27 95 59  
 export@chauvin-arnoux.fr  
 www.chauvin-arnoux.fr

**UNITED KINGDOM**  
**Chauvin Arnoux Ltd**  
 Unit 1 Nelson Ct, Flagship Sq, Shaw Cross Business Pk  
 Dewsbury, West Yorkshire - WF12 7TH  
 Tel: +44 1924 460 494  
 Fax: +44 1924 455 328  
 info@chauvin-arnoux.co.uk  
 www.chauvin-arnoux.com

**MIDDLE EAST**  
**Chauvin Arnoux Middle East**  
 P.O. BOX 60-154  
 1241 2020 JAL EL DIB - LEBANON  
 Tel: +961 1 890 425  
 Fax: +961 1 890 424  
 camie@chauvin-arnoux.com  
 www.chauvin-arnoux.com

 **CHAUVIN  
 ARNOUX**  
 GROUP