



## FC2300

### → Disconnected cable identifier

#### ▶ STANDARD :

When IDENTIFICATION by visual continuity checking is not possible (applies in particular to underground networks), the FC2300, used with a remote cable spiking device, allows "certain identification".

#### ▶ USE :

This device provides all the indications necessary on a jobsite on a disconnected, earthed power cable up to 10 km long:

Identification of three-phase power cables in open trenches.

Identification of the three phase conductors on 3-pole or single-pole cables.

Continuity with the end of the cable earthed.

#### ▶ TECHNICAL SPECIFICATIONS :

Transmitter:

Works on up to 10 km on a cable with a cross-section of 240 mm<sup>2</sup>

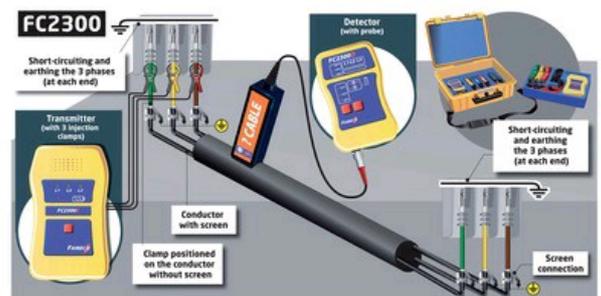
- 3 injection clamps, L1, L2 and L3, opening: 50 mm
- Max. length of voice message 3.4 s
- Transmission cycle: 7 s
- Battery life 8 to 9 hrs. Full charge in 5 hrs
- Injection current 6 mA at 300 mA
- Batteries 8.75 V (7 x 1.25 V, NiMH)
- Battery charger AC 100-240 V – 50-60 Hz – 0.5 A / DC 12 V
- Detection frequency 580Hz, 620Hz, 680Hz
- Audio dual-tone frequencies 1280 Hz, 1310 Hz

Detector:

3 setting levels according to the length and type of cable.

Dedicated probes for each function.

Comes in shockproof polymer carry case:



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detachable injection module, to be left in the substation.

Weight of complete case: 11 kg.

Dimensions: 475 x 415 x 215 mm.

## ▶ ADVANTAGES :

**Simplicity:** The whole jobsite is operating under the same safety procedure (disconnected, earthed)  
**Effectiveness:** All the useful indications are available throughout the job with no further intervention on the device and confined to the cable sought.

Elimination of risks due to:

- the messages exchanged when procedures are changed,
- movements when earth connections are removed and put back.
- the detection of signals on adjacent cables.

Simple to use:

"Plug and play" type operation:

There is a probe for each function: the detector identifies the probe and adjusts to the function:

Continuity testing (3 LEDs on L1/L2/L3)

Colour/phase conductor identification: the corresponding LED: L1, L2 or L3

Pre-identification of polymer insulated cable (3 LEDs on L1/L2/L3) or

Pre-identification of paper insulation lead covered cable (3 LEDs on L1/L2/L3)

Colour/phase conductor identification on cut cables, compass probe: the corresponding LED: L1, L2 or L3

Easily learned operating method that complies with ERDF procedure.

**Experience:** The device has drawn on 10 years' experience in the field and users' remarks to improve:

**Reliability:** stronger connectors

**Availability:** mains or battery powered

**Protected:** unbreakable polypropylene copolymer case.

Ref.	Description	Use
FC2300V	Disconnected cable identifier with possibility of adding a personalised voice message	Long distribution cables, up to 10 km - Use of several devices in the same zone (personalised voice message)
FC2300A / FC2300AERDF	Disconnected cable identifier with double frequency range and differential probe	Long distribution cables (10km) + heavily shielded cables and areas with a high concentration of cables (industrial areas) -

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FC2300A	Disconnected cable identifier with double frequency range and differential probe	Long distribution cables (10km) + heavily shielded cables and areas with a high concentration of cables (industrial areas)
FC2300VA	Disconnected cable identifier with double frequency range and possibility of adding a personalised voice message	Long distribution cables (10 km) + heavily shielded cables and areas with a high concentration of cables (industrial areas) + Use of several devices in the same area (personalised voice message)
TI	Option available on the range and allowing the use of the set of 80 mm clamps JP80	
	Accessories:	
JP80	Set of injection clamps, diameter 80 mm	For plug-in terminals, 800 A and over
XT	3-wire harness	Allows signals to be injected directly onto cable conductors earthed

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