

FC2100

Conductor identifier for de-energized HV cables

Function

The FC2100 is an efficient accessory of the cable identifier FC2000 to get core identification on different sections of cable without moving the main transmitter.

Indication is given by three LEDs: green A, yellow B and red C.

FC2100 cannot be used as a cable identifier and can only be used after cable cutting and earthing.

FC2100 is fully compatible with FC2000.

Use

For example, when connecting a new substation, FC2100 can provide conductors identification from the other end of the cable, once cut, or from the cable to be connected.

□ Transmitting clamp specification

- LF signal compatible with the FC2000.
- Both phases A et C carry 2 known frequency.
- Range equivalent to the FC2000 (5 km).
- Autonomy: 40 hours when fully charged
- Charge duration: 5 hours.

□ Phase (conductors) detector specification

- 4 disposable battery type AA 1.5V
- Autonomy: 1000 measures.
- DSP detection looking for the missing frequency.
- Clear indication of the measured phase by pilot LEDs ABC.: green A, yellow B and red C.
- Connection to the conductor with a compass.

□ FC2100 Operating instructions

- Check battery level.
- Follow all safety procedure to secure the cable (short circuit & earth) before connecting the FC2000.
- Connect FC2000 clamp as usual.
- Connect FC2100 clamp as A & C FC2000 clamps.
- Proceed to the cable identification with FC2000 and follow safety procedure "cutting and earthing".

□ FC2100 advantages

- Efficient low cost extension of FC2000.
- Reduction of operating time: less travel.
- Clear indication of cable configuration: avoid mistake.

Complete set including: **FC 2100** weight : 2,0 kg

Including :

Transmitter **FC2100EC**

Transmitting clamp A green **FC2100EV** weight : 0,6 kg

Transmitting clamp C red **FC2100ER** weight : 0,6 kg

Battery charger **FC2100CH** weight : 0,2 kg

Carrying case 300 x 200 x 100 mm **SBH2100**

Red markers L = 0,50 m **D3M**

Operating instructions

Receiver **FC2100DC** weight : 0,5 kg

Receiver **FC2100D** weight : 0,44 kg

Compass **FC2100DCP**

Soft case 220 x 120 x 50 mm **SBH1000**



Receiver with compass connecting probes



Transmitting clamps "A" and "C"