



FC3000

→ Phase and feeder live identifier

▶ USE :

This device can be used by a single operator for mapping customer phase and feeder connection in 5 seconds.

Applications: Helps to balance the loads on the phases of the low voltage network

Simple to use: The Central Unit (CU) is connected to all the outgoing lines on a supply substation. The Line Unit (LU), connected to any points of the network (customer, connection box, ...), automatically provides you with all the useful information:

- Local voltage measurement
- Phase indication L1, L2 or L3
- Feeder or circuit From 1 to 6 (9 or 12)
- Substation. (CU code.) From 1 to 8
- Didactic operating mode on the Central Unit

▶ TECHNICAL SPECIFICATIONS :

Central Unit: FC3000 UC

Nominal voltage (phase-neutral): 115 Vrms to 230 Vrms (200 Vrms to 400 Vrms between phases)

Maximum rated voltage: 440 Vrms (between phases, and between phase and neutral)

Minimum operating voltage: 200 Vrms between phases

Network frequency: 50 or 60Hz

Input plugs L1-L2-L3-Neutral: Ø 4 mm male IP2X (at the end of the power lead)

Functions: automatic and manual modes English and French

Inputs protection: by 3 rapid fuse holders HPC (4 A) Ø 5mm x L=20 mm

Overvoltage category: 600 V Cat.IV

IP: IP51 (IP67 in closed case)

Dimensions: 300 x 230 x 85 mm

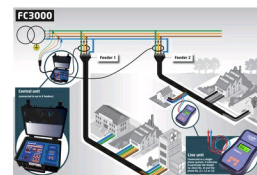
Weight: 2,35 kg

Detection coils:

Number: 6 for FC30006, 9 for FC30009, 12 for FC30012

Identification: by colour coded ring(s)

Loop diameter: Ø 120 mm



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Line Unit: FC3000 UL
 Nominal voltage: 230 Vrms (between phase terminal and neutral terminal)
 Maximum rated voltage: 440 Vrms (between phase terminal and neutral terminal)
 Power supply: 4 alkaline batteries 1.5 V AA
 Autonomy: over 1000 detections
 Inputs protection: Rapid fuse holder HPC (KTK-6 / 6 A) Ø 10mm x L=38 mm
 Overvoltage category: 600 V Cat.IV
 IP: IP54
 Approximate dimensions: 250 (235) x 130 x 65 mm
 Protection: shockproof rubber-type shell case
 Weight: 1.4 kg with shell case, lead, test probes and alligator clips

Complete unit

- Synthetic carry and storage case, IP67 when closed
- Operating temperature: from 0°C to +40°C / Hygrometry < 90% non condensing
- Storage and transport temperature: from -20•• Storage

▶ ADVANTAGES :

Safety of the operator and the installations guaranteed:
 Category IV device protected by HRC fuses
 Insulated connection accessories

Reliable;

Feeder identification signal secured by “drawn current” signal
 Information re circulated on the network by PLC
 Built-in self-test
 Sealed LU protected against outside risks

A robust, complete set designed for field use:

Central Unit in a heavy duty sealed case, also used to store and carry the Line Unit as well as all the accessories

Line Unit protected by a shockproof shell made of a soft material

Thanks to the CU unit code it is possible to use simultaneously several CUs located in several adjacent substations

| Ref. | Description | Dimensions | Weight |
|-----------|--|--------------------|---------|
| FC3000-6 | Phase and Feeder identifier 6 Circuits | 474 x 415 x 214 mm | 9,5 kg |
| FC3000-9 | Phase and Feeder identifier 9 Circuits | 474 x 415 x 214 mm | 10,5 kg |
| FC3000-12 | Phase and Feeder identifier 12 Circuits | 474 x 415 x 214 mm | 11,5 kg |
| FC3KUP9 | Set of three additional Rogowski coils for upgrade from 6 to 9 circuits | | |
| FC3KUP12 | Set of three additional Rogowski coils for upgrade from 9 to 12 circuits | | |

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