



FC3000X with Extractible Central Unit

➔ Live LV Feeder and Phase Identifier 6 to 12 feeders (with or without neutral)

➔ CONFORMITY

CE marking

➔ USE

Simple to use, this device enables a technician working alone to quickly identify and check the substation, the feeders (from 6 to 12 feeders) and the phase supplying each customer connection, in seconds !

Applications

- Checks the network layout in seconds while maintaining energy distribution – updates cable mapping
- Helps to balance the loads on the phases of the low voltage network
- Also enables you to find a subscriber's LV power distribution substation

➔ ADVANTAGES

Simple to use

- The Central Unit (CU) is connected to all the feeders on a LV supply substation with a frequency of 50 Hz or 60 Hz.
- Extractable CU, thanks to its compactness the Central Unit can be left in a feeder pillar with doors closed.
- The Line Unit (LU), connected to all points of the network (customer, connection box, ...), automatically provides you with all the useful information:
 - Local voltage measured
 - Phase n° L1, L2 or L3
 - nb of feeders in the substation from 1 to 6, from 1 to 9 or from 1 to 12
 - Power distribution substation n° (CU n°) from 1 to 8

➤ Didactic operating instructions on the Central Unit (CU)

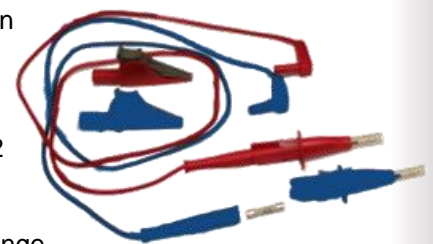
Note : possibility of using several CUs, which can be numbered, to extend the range of operation to several power distribution substations.

The safety of the operator and the installations is guaranteed

- Category IV device protected by HRC fuses
- Fused IP2X connectors (Ø4 mm fittings and test probes), overvoltage category 1000V – Cat.IV

Reliable

- Feeder/cable identification signal secured by current tapping
- Communication on the LV network BT between the 2 units by pulse sequences compatible with CPL and smart grids
- Built self-test
- Sealed LU protected against outside risks



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The LV feeder and phase identifier operates on all types of cables, whatever the environment

- In urban, suburban and rural areas
- However long the cable

A robust, complete practical kit designed to last

- Central Unit in an unbreakable sealed case, also used to store and carry the Line Unit as well as all the accessories
- Line Unit protected by a shockproof shell case made of a soft material

▶ TECHNICAL SPECIFICATIONS

Central Unit (CU) :

- Nominal voltage (phase-neutral) : 115 - 230 Vac
- Nominal voltage (phase to phase) : 200 - 400 Vac
- Rated voltage : 440 V AC
- Frequency : 50 Hz or 60 Hz
- Input protection (fuses on board and leads)
- Connectors for sensors : 12
- Sensors : 6, 9 or 12 on request
- Number of CU ID code (units working in the same area) : 8
- IP protection : IP54
- Operating temperature : from -10°C to +55°
- Overall dimension : 330 x 260 x 100 mm, or 13" x 10" x 4"
- Weight : 4,5 kg / 10 lbs
- Mechanical protection : Rubber shell

Line Unit (LU) :

- Supply : 4 x 1.5 V AA batteries
- Operating voltage : 100-290 V

Measure and display of voltage :

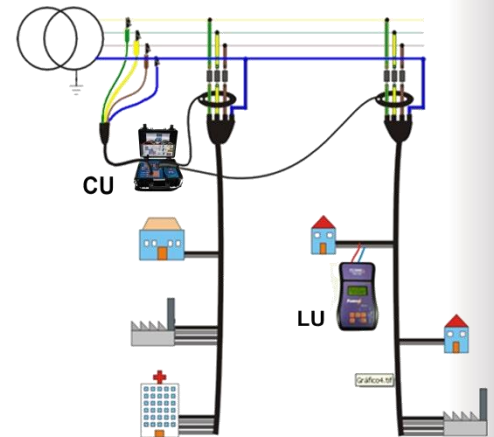
- Maximum rated voltage : 480 Vac
- Frequency : 50 Hz or 60 Hz
- Input protection (fuses on board and leads)
- IP protection : IP54
- Operating temperature : from -10°C to +55°C
- Overall dimension : 240 x 130 x 66 mm, or 9.5" x 5" x 2.6"
- Weight : 1,3 kg / 2.9 lbs
- Mechanical protection : Rubber shell

Packaging, Waterproof heavy duty carrying case :

- Overall dimension : 474 x 415 x 214 mm, or 18.6" x 16.3" x 8.5"
- Weight : 9,5 kg / 21 lbs



CU



LU

Reference	#	Frequency	Dimensions / Weight	Device complete reference example :
FC3000X	6	50 et 60 Hz	L=474 x l=415 x h=214mm Approx weight : ~ 9,5 kg	FC 3 0 0 0 X 1 2 G B <div style="margin-left: 150px;"> } National variation } 12 feeders </div>
	9			
	12			

= Number of feeders

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