Energy Analyser (DIN-rail or Panel Mounted) kWh Meter

Features

- Detachable display
- Multi-use housing for both Din-rail and panel mounting applications
- Compact size
- Pulsed or Modbus output options
- Self powered

Specification

Measurements:	
System	W, var, PF, Hz, Phase-sequence;
Single-phase	VLL, VLN, A, PF, kWh, kvarh
Frequency	45 to 65 Hz
Display	2 lines
Housing	Nylon PA66, self-extinguishing UL 94 V-0
Mounting	Din-rail or panel
Output types:	
Pulse	Open collector
Modbus	RS485
RS 485:	
Address	Programmable, 1 to 247,
Baud-rate	9600 bit/s
Refresh time	1/s
Ambient:	
Humidity	0 to 90% (non-condensing)
Temperature	-25 to +55°C
Protection:	IP50 (front)
Dimensions:	72 x 72 x 65mm
Country of origin	Italy

Product Codes

PM-EM21-P

Energy analyser with pulsed output

PM-EM21-M

Energy analyser with Modbus output

NOTE: Full operating instructions and user manual are supplied with the meter.

Technical Overview

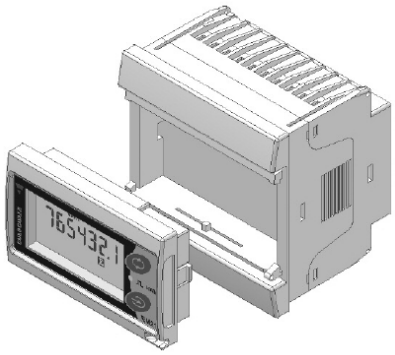
Characteristics
Measurements: System: W, var, PF, Hz, Phase-sequence; Single-phase: VLL, VLN, A, PF, kWh, kvarh

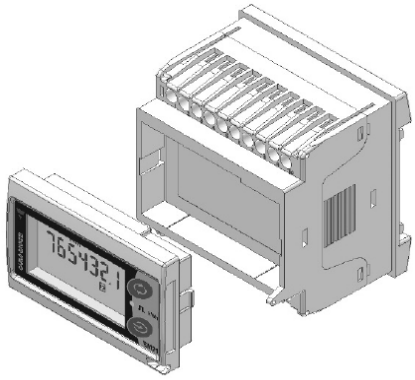
The PM-EM21 is a compact energy meter that has a removable front LCD display that allows it to be either DIN-rail or panel mounted. The energy meter is designed for active and reactive energy metering.
All operations, including programming and viewing up to 7 display pages are performed using the two push buttons on the detachable display. It is possible to block the access to programming by means of a trimmer position on the rear of the display.

Certified according to MID Directive, Annex "B" "Type examination" relevant to active electrical energy meters (see EU Directive 2004/22/EC, Annex MI-003)

Mounting

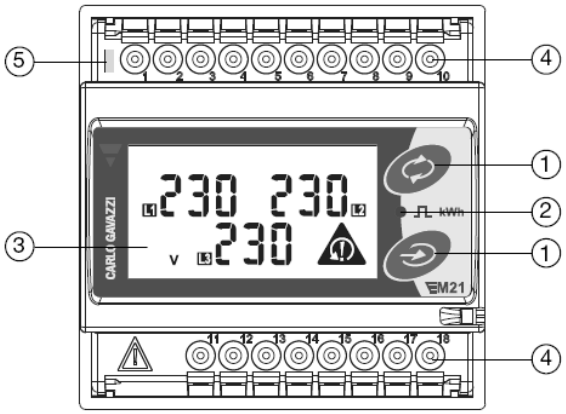
By means of the patented detachable display it is possible to configure the same instrument either as a panel mounting meter or...





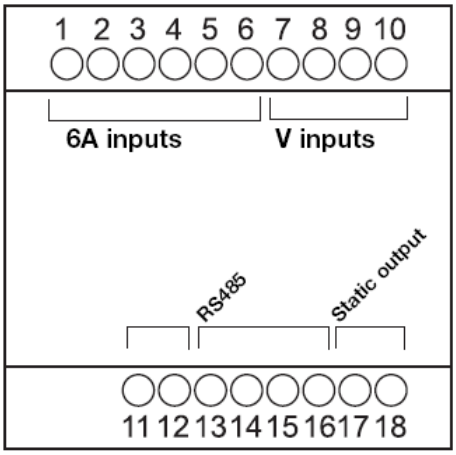
... as DIN-rail mounting meter.

Front Panel Description

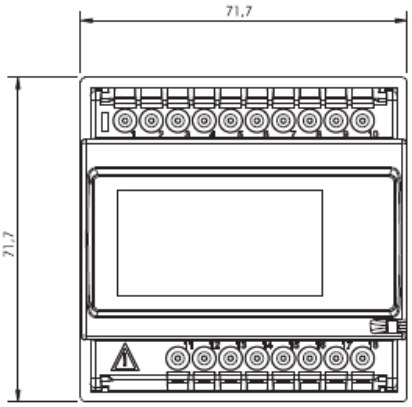


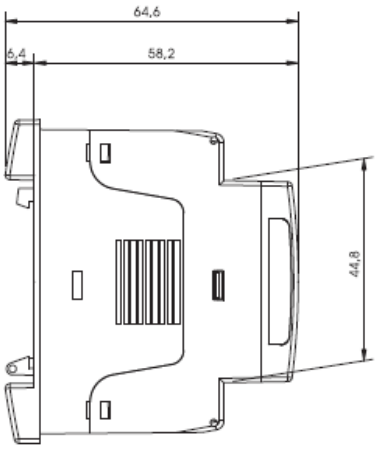
1. Keypad
To program the configuration parameters and scroll the variables on the display.
2. Pulse output LED
Red LED blinking proportional to the energy being measured.
3. Display
LCD-type with alphanumeric indications to display all the measured variables.
4. Connections
Screw terminal blocks for instrument wiring.
5. Green LED
Lit when power supply is available

Connections



Dimensions DIN-rail Configuration





Dimensions Panel Mount