



Carlo Gavazzi EM111 - Summary Sheet

The EM111 is a compact DIN rail meter supplied by Carlo Gavazzi. It comes with a 7-digit LCD display, is accurate to class 1, displays both imported and exported energy and can record readings on two separate tariffs.

This reliable meter is capable of monitoring consumption on loads of up to 32 Amps. The readable parameters are Energy (kWh), Active Power (W), Reactive Energy (kVAh), Voltage (V), Current (I), Power Factor (pf), Frequency (Hz), kW demand and kW demand peak.

An MID approved model of this meter is available, making it suitable for billing applications, and in addition, this unit can offer a Pulse, Modbus or Mbus output for remotely reading the parameters. When supplied with a Modbus output, this meter is suited for integration with the Carlo Gavazzi's remote energy management tool, the UWP.

Specification

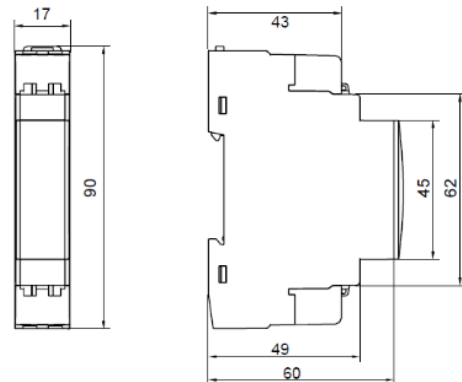
Meter Type	Single Phase
Fitting Type	DIN Rail
Max. Current (Amps)	32
MID Approved	Yes / No *
Smart	No
Input Type	Direct Connect
Output Type	Pulse / Modbus / Mbus *
Tariffs	Dual (controlled externally)
Import / Export	Import & Export
Module Width	1
Availability	See Model Variants

* Dependant on model selected

Model Variants

SPDCGEM1110	Pulse Output
SPDCGEM1110P	Pulse Output & MID
SPDCGEM111S	Modbus Output
SPDCGEM111SP	Modbus Output & MID
SPDCGEM111M	Mbus Output
SPDCGEM111MP	Mbus Output & MID

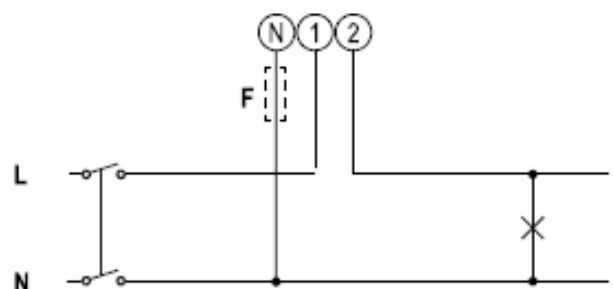
Dimensions



Measured Parameters

Active Energy (kWh)	✓	Line Power Factor (PF)	✓
Active Power (W)	✓	Line Reactive Power (kVAh)	✗
Apparent Energy (kVAh)	✗	Line to Line Voltage (V)	✗
Apparent Power (VA)	✗	Line to Neutral Voltage (V)	✗
Average Current (I)	✗	Maximum Current (I)	✗
Average Power Demands (W)	✗	Maximum Power Demands (W)	✓
Average Voltage (V)	✗	Maximum Voltage (V)	✗
Current (I)	✓	Power Factor (PF)	✓
Current in Neutral (I)	✗	Reactive Energy (kVAh)	✓
Frequency (Hz)	✓	Reactive Power (VAh)	✗
Hours Run (hr)	✗	Total Harmonic Distortion (Amps)	✗
Line Active Power (W)	✓	Total Harmonic Distortion (Volts)	✗
Line Apparent Power (kVA)	✗	Voltage (V)	✓
Line Current (I)	✓		

Wiring Diagram



Web: www.spwales.com | Email: sales@spwales.com | Phone: 01803 295430

While Stephen P Wales Ltd has made every reasonable effort to ensure the accuracy of this information, Stephen P Wales Ltd does not guarantee that it is error-free, nor does Stephen P Wales Ltd make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. Stephen P Wales Ltd reserves the right to make any adjustments to the information contained herein at any time without notice.