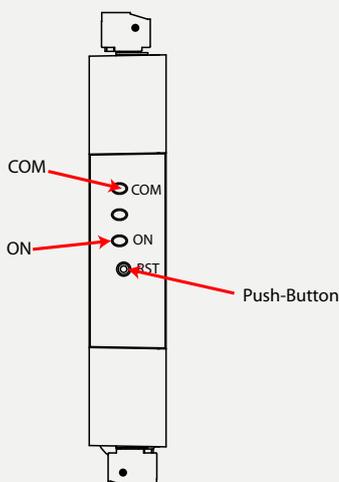


Key features

- ✓ Ideal for submetering applications of energy costs distribution and savings
- ✓ Measurement of energies, power, voltage, current, frequency and cos phi
- ✓ Operating time counting to manage with precision how long an asset works
- ✓ 4 quadrants energy metering

Description

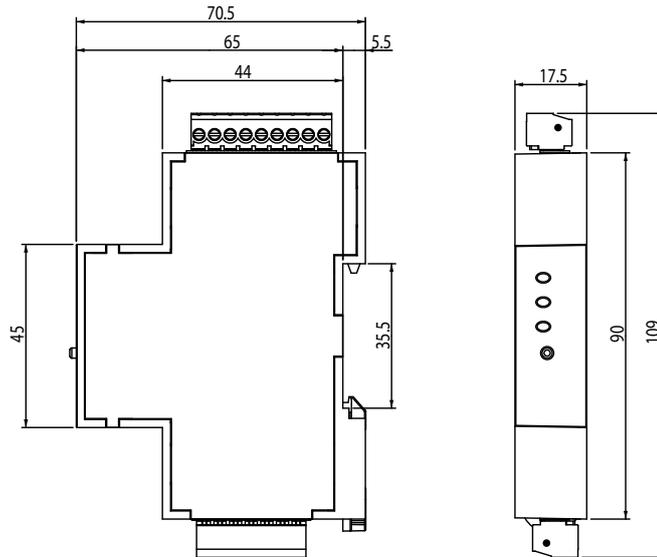
SEM One is a single-phase 4 quadrants energy meter that allows you to monitor the electrical parameters of your installation including active, reactive and apparent energy; active, reactive and apparent power; voltage, current, frequency, cos phi and more. It can be easily placed at any installation cause of its compact dimensions.



Leds

Led	Name	Description
ON	Power supply	Activity: Fixed green
COM	RS-485	Data transmission: Red rapid blinking Data reception: Green rapid blinking

Dimensions



Technical characteristics

Category	Parameter	Value
Power circuit	Input voltage	110 264 Vac
	Frequency	47 ... 63 Hz
	Maximum consumption	2,5 4,5 VA
Environmental conditions	Temperature range	-10 ... 60 °C
	Humidity range	5 ... 95 %
Mechanical characteristics	Enclosure material	Plastic UL94 – V0 Self-extinguishable
	Protection grade	IP 30
	Unit dimensions (Width x Height x Length)	18 x 70 x 109 mm
	Weight	70 g
	Mounting	DIN Rail (1 module)
	Connectors	Plug-in terminals. Maximum cable section 1.5 mm ²
	Maximum working altitude	2000 m
Serial interface	Type	RS-485 three wires
	Baud rate	9600 / 19200 bps configurable
	Data bits	8
	Parity	Without parity / Even configurable
	Stop bits	1 / 2 configurable
Characteristics and electrical security	Security	CAT III 300 V under EN 61010
	Protection class	Class II
	External current transformers	Series TRC and TRA (In / 0,250 A)
Standards	Standards	UNE EN 61010-1:2010, UNE-EN 61000-6-2, UNE-EN 61000-6-4