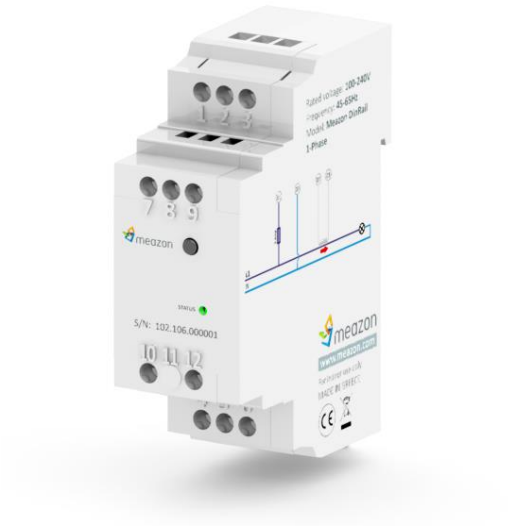
meazon
measure | monitor | manage



Our circuit-level DIN rail form-factor meters are so small that fit almost everywhere. Due to their optimal cost efficient design, they have a low TCO enabling the adoption of a larger number of metering points, driving much more detailed insight into energy efficiency opportunities.

Architecture	ZigBee Mesh Network
Frequency band	2.4 GHz
Simultaneous operation of multiple metering devices	Yes
Minimum Data communication interval	1 second (default 5minutes)
Data storage— measurement device	Yes
Response to loss of communication	Yes (Path reorganization through Zigbee)
Security mechanism	Yes. AES encryption 128 bits.

Meazon DinRail 1-Phase

Wireless Web-enabled energy circuit-level meter, measuring Current, Voltage, line Frequency, Active and Reactive Power and Energy. Used for monitoring and controlling electrical power feeds in an electrical board in businesses or homes.

Description

Meazon Dinrail 1-Phase comes with a Split-Core Current Transformer which can measure up to 63 Amperes. Ideal for real time monitoring, equipped with build-in data logger, down to 1 second report interval over ZigBee and data uploading to the Cloud over Meazon Gateway.

Meazon DinRail 1-Phase comes with a build-in relay which could potentially be connected and control (on/off) the power supply to a load up to 5 Amperes. The control logic could be driven by external or internal events.

Operating Voltage / Frequency	100 to 240 Vac / 45 to 65 Hz
Power loss response	Automatic resumption of operation after power loss

Electric parameters measured	Irms, Vrms, line Frequency, Active Power & Energy, Reactive Power & Energy
Ranges of measured parameters	Voltage: 100 to 240 Vac phase-to-neutral, 45 to 65 Hz Current: up to 63 Amperes
Accuracy of measurements(*)	<1% of reading measurement error (metering device)
Data log record	25 days

Coverage	Up to 50m indoor / mesh topology
Dimensions	27.8 x 80 x 59.6 (WxHxD) in mm
Operating environment	Temperature: -20° C to 50° C Relative Humidity: 10% to 90% (RH), non-condensing

** Accuracy refers to Electric Power Measurements*