



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 3-Phase Advanced

Wireless Web-enabled three-Phase energy circuit-level meter, measuring Current, Voltage, Active and Reactive Power and Energy. Used for measuring and controlling up to three phases electrical power feeds or three electrical lines in an electrical board in businesses or homes.

Description

Meazon DinRail 3-Phase Advanced comes with three Split-Core Current Transformers which can measure up to 2400 Amperes per phase(*). 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 3-Phase Advanced can drive a cold junction where a relay could potentially be connected and control (on/off) the power supply to a load. The control logic could be driven by external or internal events.

Also, it comes with a general purpose AC input indication contact that can be used as an extra information input to your system (e.g. night tariff activation info).

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, Active Power & Energy, Reactive Power & Energy
Ranges of measured parameters -model depended(*)	Voltage: 0 to 240 Vac phase-to-neutral, 45 to 65 Hz 80% to 120% of normal line voltage Current: up to 2400 Amperes(*)
Accuracy of measurements**	<1% of reading measurement error (metering device)
Data log record	25 days

Extra features / functionalities	<ul style="list-style-type: none"> External relay control External relay scheduling Neutral Detection indication contact
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Coverage	Up to 50m indoor / mesh topology
Dimensions	25 x 80 x 69.6 (WxHxD) in mm
Operating environment	Temperature: -20° C to 50° C Relative Humidity: 10% to 90% (RH), non-condensing



* Please go to meazon website for available model numbers

** Accuracy refers to Electric Power Measurements