



Meazon's 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(*1) enabling the adoption of a larger number of metering points, driving much more detailed insight into energy efficiency opportunities.

Architecture	ZigBee Mesh Network Wi-Fi NB-IoT LTE CAT M1
Frequency band	ZigBee/Wi-Fi: 2.4 GHz NB-IOT: 20, 8, 3 LTE M1 : 13, 12, 5, 4, 2
System	1-ph 3-Ph. 4-wire
Minimum Data communication interval	1 second (default 5 minutes)
Data storage—measurement device	Yes
Security mechanism	Yes. AES encryption 128 bits.

Meazon DinRail 3-Phase Advanced v4.0 NB

Wireless (ZigBee, NB-IoT, Wi-Fi) three-Phase energy circuit-level meter, measuring Current, Voltage, Active and Reactive Power/energy, Power Factor and Harmonics (optional). Used for measuring and controlling up to three phases electrical power feeds or three electrical lines in an electrical panel.

Description

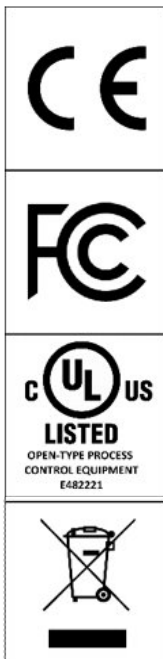
Meazon DinRail 3-Phase Advanced v4.0 NB comes with three (or four) Split-Core Current Transformers which can measure up to 600 Ampere per phase(*2). Ideal for real time monitoring, equipped with build-in data logger. Report interval down to 1 second over ZigBee connected to Meazon Janus GW that can be used to interface with different Cloud platforms (Azure, AWS, ...). The NB-IoT or LTE Cat M1 version can send data to any platform over Meazon Cloud GW.

Meazon DinRail 3-Phase Advanced NB has a general-purpose programmable relay output (16A). The control logic could be driven by external or internal events.

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).

*1 Total Cost of Ownership

*2 Please visit Meazon website for available Amperage



Operating Voltage / Frequency	100 to 285 Vac / 45 to 65 Hz
Electric parameters measured	Irms, Vrms, Active Power & Energy, Reactive Power & Energy
Ranges of measured parameters -model depended(*)	Voltage: 0 to 285 Vac phase-to-neutral, 45 to 65 Hz 80% to 120% of normal line voltage Current: up to 600 Ampere(*2)
Accuracy of measurements	<1% of reading measurement error (metering device)
Build-in Data log record	2000 records
Extra features / functionalities	External relay control External relay scheduling Neutral Detection indication contact RCD/MCCB tester
Coverage	ZigBee mesh topology, Wi-Fi or NB-IoT coverage
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