



Meazon SLIM DinRail is the smallest three-phase meter in the market, with easy and fast installation even in the most challenging spaces. Combined with other Meazon devices (e.g. water meter & electric car charger) provides unique solutions at home and in the business. The meter's unique features are enhanced from its ability to report data in fractions of a second and its build-in computing power

<b>Architecture</b>	Zigbee Mesh Network & WiFi LTE Cat NB (*2) LTE CAT M1 (*2)
<b>Frequency band</b>	Zigbee, WiFi: 2.4 GHz NB IoT: 20, 8, 3 M1: 13, 12, 5, 4, 2
<b>System</b>	4-wire
<b>Minimum data reporting interval</b>	<1 sec (default 5 min)
<b>Data storage in the device</b>	Yes
<b>Security mechanism</b>	AES encryption 128 bits in Zigbee, VPN in WiFi

### Meazon SLIM DinRail 3-Phase (Zigbee, WiFi)

Wireless three-phase energy meter. Measures: Current, Voltage, Active and Reactive Power, Energy, Frequency, Power factor & Harmonics (optional). Used to measure three-phase loads or three single-phase loads in an electrical panel. Measurement of neutral in three-phase loads is possible.

#### Description

Meazon SLIM DinRail is the smallest three-phase meter in the market. Available with 3 (or 4) split-core current transformers, capable of measuring up to 600 Amps per phase(\*1). Ideal for monitoring consumed & produced power in real time, equipped with a built-in data logger, which stores 3.000 records of data. Transmits energy data wirelessly, via Wifi or Zigbee protocol. NB-IoT communication feature is not yet commercially available. Reporting interval can be lower than 1 sec for WiFi communication.

Sends data to visualization platforms through Meazon's Cloud Gateway. Gathers data from selected devices using Zigbee and becomes the gateway to the cloud, simplifying installation and reducing overall costs. No external load control capability.



<b>Operating Voltage/Frequency</b>	100 to 240 Vac/ 45 to 65 Hz
<b>Loss of power or overvoltage</b>	Automatic reset after power loss, surge protection

<b>Metered electricity variables</b>	Irms, Vrms, Active Power & Energy, Reactive Power & Energy, Frequency, Power Factor & Harmonics (optional)
<b>Ranges of measured parameters -model depended</b>	Voltage: 100 to 240 Vac phase-to-neutral, 45 to 65 Hz Current: CTs 63, 125, 300, 400, 600 A
<b>Accuracy</b>	<1% of reading measurement error
<b>Build-in data log record</b>	3.000 recordings, time period depends upon reporting interval

<b>Extra features/functionality</b>	Disaggregation engine
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<b>Wireless coverage</b>	Zigbee mesh topology and/or WiFi
<b>Dimensions</b>	9.9 x 115 x 53 ( WxHxD ) in mm
<b>Operating environment</b>	Temperature: -20° C to 50° C Rel. Humidity: 10% to 90% (RH), non-condensing

\*1 Please contact [info@meazon.com](mailto:info@meazon.com) for more information  
\*2 Not commercially available