



Our revolutionary self-charging induction meter, combines the benefits of Bizy DinRail wireless networking with plug and play convenience to enable deployment in space- or access-constrained environments. Ideal for large scale deployments where cost of installation and provisioning in-cabinet solutions becomes prohibitive.

| | |
|------------------------------------------------------------|--------------------------------------------|
| Architecture | ZigBee Mesh Network |
| Frequency band | 2.4 GHz |
| Simultaneous operation of multiple metering devices | Yes |
| Minimum Data communication interval | 2 seconds (default 60 seconds) |
| Response to loss of communication | Yes (Parent re-association through ZigBee) |
| Security mechanism | Yes. AES encryption 128 bits. |

Zi-clamp 3-Phase

Meazon Zi-Clamp 3-Phase is a ZigBee enabled submeter used for measuring electrical current on electrical appliances. It can monitor up to 3 different currents (in A) and calculates estimated apparent power consumption per phase (in VAr) helping you understand when and how you use electricity, and allow you to make decisions on how you can reduce your energy bills.

Meazon Zi-Clamp 3-Phase could support any electrical AC appliance, please select the model that meets your needs:

- 3-Phase, 0.5-50A/phase
- 3-Phase, 5-500A/phase

| | |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AC Frequency Supported | 50 Hz – 60 Hz |
| Current Measurement Ranges | Measures AC Irms/Phase (TRUE RMS AC current), 0.5-50Amperes/Phase , 5-500Amperes/Phase Calculates Sac/Phase (calculated in VAr) |
| Current Measurement Accuracy | <1% at Irms>1.6A |
| Power supply | Built-in battery, Re-chargeable over power-harvesting or mini-USB port Estimated standby Battery life when measuring zero load : 1 year using recommended report settings 7 months using minimum report settings Unlimited Battery life when measuring > 1.6A/phase |
| Coverage Dimensions | Up to 30m indoor / mesh topology |
| Dimensions | 53.35 x 53.35 x 13.7 (WxHxD) in mm |
| Operating Environment | Indoor rated, -20°C to 50°C |