

Technical Specification



Knowatt

Knowatt05 - 3 Phase

- 3 phase CT Class 0.1 Meter
- High Accuracy <1%
- Power (Whr) converted to KWh
- AC Voltage & frequency
- Brownout detection
- Spike detection
- RMS voltage (true)
- Real/Apparent/PF/Frequency
- 3 x CTs - 16mm aperture
- Temperature
- 6P6C RJ connections for Inputs
- Variable CT 6mm – 200mm (32A – 10,000A)
- Optional Rogowski coil CT's
- TRUE power-High resolution (0.001W)
- High accuracy synchronised, 24 BIT Sigma Delta A-Ds, sampling at 8kHz
- Universal input 90–264 VAC, 47–63Hz

Network

- LoraWan communications; long range, low powered IOT
- 868MHz (Europe)
- MQTT Via LoRawan protocol

Mechanical

- Dimensions (W x H x D) 145x125x47mm
- Weight; 0.3kg
- Colour; Powdered Grey

Environmental

- Operating Temperature; - 5'c ~ +55'c
- Storage Temperature; -20'c ~ +65'c
- Humidity; 20% - 90%

Safety

- CE Certified

Pickups

- 8P8C and 4P4C RJ type plugin for easy installation

Unit Setup

- NFC communications for setup and system diagnostics

Data types

- Water
- Oil
- Electricity
- Gas

Power

- 3 or 1 phase power
- Universal in 80v – 240v a.c. 47-63Hz

Knowatt Custom Monitoring

- CO2 , VOC
- Analogue inputs
- Control outputs
- Temperature
- Humidity
- UPS battery monitored (high resolution 24bit–0.001V)
- Cabinet Battery-Time to Run (battery capacity)
- Battery Health
- Individual cell/block monitoring
- Cabinet door
- Flood detection

Guarantee

- Design life 10 years, Guaranteed 5 yrs

For more information
www.knowatt.com