

PANEL MOUNTED KWH METER WITH PULSE AND MODBUS - O3PMS

Specifications

Smart power meter with RS485 Modbus RTU
Pulse/rs485 communication RTU Modbus
High accuracy
96×96 Standard Format
Cl.1 Accuracy (EN50470)
Energy consumption LED
Current reverse LED
Phase L1/L2/L3 LED
Isolate pulse output and IR (DIN43864)
LCD display, 6 integer 1 decimal
Large clear backlight display
27 CT rate can be selected
Memory back-up (EEPROM)
Communication
RS485port
Baud rate: 1200bps~9600bps
Modbus-RTU protocol

Voltage Inputs

20-280 Volts Line to Neutral, 20-480 Volts Line to Line
Universal Voltage Input
Input Withstand Capability – Meets IEEE C37.90.1 (Surge Withstand Capability)
Supports: 3 phase 4 wires, 400/230V, 110/63V,208/120V
Input wire gauge max (AWG 12 / 2.5mm ²)



Current Inputs

Class: (0 to 6) A, 5 Amp Nominal
Fault Current Withstand: 100 Amps for 10 Seconds, 360 Amps for 3 Seconds, 600 Amps for 1 Second.
Programmable Current to 27 CT Ratio
Burden 0.005VA per phase Max at 11Amps
5mA Pickup Current
Pass through wire gauge dimension: 0.177" / 4.5mm
Continuous current withstand: 20 amps for screw terminated or pass through current connections.

Isolation

All Inputs and Outputs are galvanic ally isolated to 4000 Volts AC.
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Environmental Rating

Storage: (-25 to +70)°C

Operating: (-10 to +65)°C

Humidity: to 75% RH Non-Condensing

Faceplate Rating: NEMA12 (Water Resistant)

Environment: IP54 standard, IP65 optional

Mounting Gasket Included

Power Supply

161 to 300 Volts AC

Communication Format

1 Com Ports

RS485 Port (Through Back Plate)

Com Port Baud Rate: (1200 to 9600bps)

Com Port Address: 0-247

8 Bit, Even parity

Modbus RTU Protocols



Pulse Output

Pulse constant: 1600imp/kWh

Pulse width: 80ms±20ms

Additional Information

Model: OB2750

Manufacturer: Owen Brothers

In Depth:

Display Type: Digital Only Phase: Three Phase Measuring Energy Range: 999999.9 Accuracy Class: Better than Class1.0 Output Voltage: 3*220/380V, 3*230/400V Operating Temperature: -25 to 75 Dimensions: 96*96 Certification: CE Communication: Modbus RTU.