# Panel Mounted KWH Meter with Pulse and Modbus - O3PMS

## Specifications

- Smart power meter with RS485 Modbus RTU
- Pulse/rs485 communication RTU Modbus
- High accuracy
- 96x96 Standard Format
- C11 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 C37.901 (Surge Withstand Capability)
- Supports: 3 phase 4 wires, 400/230V, 110/63V, 208/120V
- Input wire gauge max (AWG 12 / 2.5mm2)

## 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
# PANEL MOUNTED KWH METER WITH PULSE AND MODBUS - O3PMS

## Environmental Rating

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage</td>
<td>(-25 to +70)°C</td>
</tr>
<tr>
<td>Operating</td>
<td>(-10 to +65)°C</td>
</tr>
<tr>
<td>Humidity</td>
<td>to 75% RH Non-Condensing</td>
</tr>
<tr>
<td>Faceplate Rating</td>
<td>NEMA12 (Water Resistant)</td>
</tr>
<tr>
<td>Environment</td>
<td>IP54 standard, IP65 optional</td>
</tr>
<tr>
<td>Mounting Gasket</td>
<td>Included</td>
</tr>
</tbody>
</table>

## 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 Class 1.0
- Output Voltage: 3*220/380V, 3*230/400V
- Operating Temperature: -25 to 75°C
- Dimensions: 96*96
- Certification: CE
- Communication: Modbus RTU

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