PMAC211 Multi-Circuit Energy Meter

Application

- Sub Metering In Commercial Building
- Branch Circuit Monitoring
- Utility Application

Feature

- Suit for 3 phase 4 wire connection mode
- Used for 4x3 phase AC measuring
- LCD display U, I, P, Q, S, PF, F, kWh, kvarh
- Over & Under limit alarm, up to 500 alarm records
- Max. measure current up to 600A
- 33.3mA & 100mA rated current input (optional)
- LED light indicates alarm & communication status
- Standard 35mm DIN Rail Mount

Main Function

Real-time Measurement

- Voltage, Current, Active Power, Reactive Power, Apparent Power
- Power Factor, Frequency, Active Energy, Reactive Energy

Data Logging Every 15 Minutes (Under Programming)

- Total active energy, total active power, current

Over & Under Limit Alarm & Record Function

- Over voltage, Under voltage, Over current

Communication

- 1 RS485 port, MODBUS-RTU protocol

Technical Specification

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Accuracy</th>
<th>Resolution</th>
<th>Measuring Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>0.5%</td>
<td>0.1V</td>
<td>AC 0~300V</td>
</tr>
<tr>
<td>Current</td>
<td>0.5%</td>
<td>0.1A</td>
<td>AC 0~600A</td>
</tr>
<tr>
<td>Active Power</td>
<td>1.0%</td>
<td>0.1W</td>
<td>each phase: 0~216kW</td>
</tr>
<tr>
<td>Reactive Power</td>
<td>2.0%</td>
<td>0.1var</td>
<td>each phase: 0~216kVar</td>
</tr>
<tr>
<td>Power Factor</td>
<td>1.0%</td>
<td>0.001</td>
<td>-1.000~+1.000</td>
</tr>
<tr>
<td>Frequency</td>
<td>0.5%</td>
<td>0.01Hz</td>
<td>45~65 Hz</td>
</tr>
<tr>
<td>Active Energy</td>
<td>1.0%</td>
<td>–</td>
<td>0~99,999,999.9 kWh</td>
</tr>
<tr>
<td>Reactive Energy</td>
<td>2.0%</td>
<td>–</td>
<td>0~99,999,999.9 kWh</td>
</tr>
</tbody>
</table>

Standard (EMC)

- Electrostatic discharge immunity test
- Radiated immunity test
- Electrical fast transient/burst immunity test
- Surge immunity test (1, 2/50μs ~ 8/20μs)
- Radio frequency immunity
- Electromagnetic emission limit

http://en.pmac.com.cn
### Dimension

![PMAC211 Multi-Circuit Energy Meter](http://en.pmac.com.cn)

Unit: mm

### Current Transformer

- **LACT-100C1**
- **LACT-100K1**
- **CTSA**
- **CTSB**

### Order Information

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Main Module</strong></td>
<td>PMAC211</td>
</tr>
<tr>
<td><strong>For 33.3mA Secondary</strong></td>
<td>LACT-100K1</td>
</tr>
<tr>
<td><strong>For 100mA Secondary</strong></td>
<td>LACT-100C1, CTSA016, CTSA024, CTSB0203, CTSB0508</td>
</tr>
<tr>
<td><strong>Solid Core CT:</strong></td>
<td>Φ12mm, 100A/100mA, Class 0.5</td>
</tr>
<tr>
<td><strong>Solid Core CT:</strong></td>
<td>Φ16mm, 100A/100mA, Class 0.5</td>
</tr>
<tr>
<td><strong>Split Core CT:</strong></td>
<td>Φ24mm, 200A/100mA, Class 0.5</td>
</tr>
<tr>
<td><strong>Split Core CT:</strong></td>
<td>20*30mm, 400A/100mA, Class 0.5</td>
</tr>
<tr>
<td><strong>Split Core CT:</strong></td>
<td>50*80mm, 600A/100mA, Class 0.5</td>
</tr>
</tbody>
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**Before**

All in One, Cost Saving, Space Saving

**After**

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