EasyLogic™
DM1000/3000 series
Technical Data Sheet

The EasyLogic™ DM1000 series: 1-Ph V A F digital panel meters, DM3000 series: 3-Ph V A digital panel meters

The universal, user-programmable DM1000 and DM3000 series digital panel meters for AC circuits are ideal replacements for multiple analog meters. These five compact, flexible and customizable models will meet all your panel metering requirements.
DM1000/3000

- DM1000 and DM3000 main features
  - Replaces multiple analog meters through single digital meter
  - 1-ph or 3-ph Volt or Amps display digital panel meters
  - 1-ph digital Frequency meter
  - 4 digits, seven segments, 15mm height, bright red LED display, 0.1 resolution
  - Single key with dual function for programming of meters and navigation between the phases
  - Inbuilt selector switch in 3-ph meter type
  - LED indication for phase identification in 3-ph meter
  - Site programmable for any CT or VT (PT) ratio
  - Direct reading with auto scaling of values
  - Universal AC/DC control power voltage

- Technical characteristics and specification
  - Sensing/measurement: True RMS, one second update
  - Accuracy: Voltage and Current: +/- 0.5% of full scale, Frequency: +/- 0.2% of the full scale
  - Control power AC: 48-250 V L-N AC +/- 10%, 50/60 Hz, with burden of 3 VA max at 230 V L-N AC or DC: 48-250 V DC +/- 10%, with burden of 1 W at 230 V DC
  - Voltage input: 44 to 480 V L-L AC (25 to 277 V L-N), 50/60 Hz +/- 5%, with burden of <0.1 VA per phase
  - Current input: 1A/5A nominal, 50 mA to 6 Amps AC, 50/60 Hz +/- 5%, with burden of <0.1 VA per phase
  - Frequency input: 20 to 100 Hz (44 to 480 V L-L AC (25 to 277 V L-N AC)

- Safety and Certifications
  - CE as per IEC 61010-1 Edition-3 standard
  - Emission: CISPR 11; Class A
  - Electrostatic Discharge: IEC 61000-4-2
  - Radiated Susceptibility: IEC 61000-4-3
  - Electrical Fast Transients: IEC 61000-4-4
  - Surge: IEC 61000-4-5
  - Conducted Susceptibility: IEC 61000-4-6
  - Power frequency magnetic field: IEC 61000-4-8
  - Immunity to voltage dips and interruptions: IEC 61000-4-11
  - Harmonic current emissions: IEC 61000-3-2
  - Voltage fluctuations and flicker: IEC 61000-3-3
  - Isolation: 4 kV for one minute
  - CAT III measurement
  - Pollution degree 2
  - Double insulation at user-accessible area

\*\*\* Tested as per IEC 61326-1
DM1000/3000

• Environmental
  – Operating temperature: -10 °C to 60 °C (14 °F to 140 °F)
  – Storage temperature: -25 °C to 70 °C (-13 °F to 158 °F)
  – Humidity 5 % to 95 % non-condensing
  – Altitude: <= 2000m
  – Green Premium™: EOL, REACH, PEP, RoHS complied

• Mechanical
  – Flush/ panel mount, 96*96mm with 44mm depth
  – IP degree of protection: IP51 front & IP40 rear side
  – Weight: 220 g approx, unpacked
  – Panel cut out: 92 x 92 mm Flush mount

Comparisons

<table>
<thead>
<tr>
<th>Parameter</th>
<th>DM1110</th>
<th>DM1210</th>
<th>DM1310</th>
<th>DM3110</th>
<th>DM3210</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-ph A</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>0.5 %</td>
</tr>
<tr>
<td>1-ph V</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>0.5 %</td>
</tr>
<tr>
<td>1-ph Hz</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>0.2 %</td>
</tr>
<tr>
<td>3-ph A</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>0.5 %</td>
</tr>
<tr>
<td>3-ph V</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>■</td>
<td>0.5 %</td>
</tr>
</tbody>
</table>

Commercial ref number

<table>
<thead>
<tr>
<th>METSEDM 1110</th>
<th>METSEDM 1210</th>
<th>METSEDM 1310</th>
<th>METSEDM 3110</th>
<th>METSEDM 3210</th>
</tr>
</thead>
</table>

PLSED310084EN
DM1000/3000

Mechanical dimensions
As standards, specifications and designs develop from time to time, please ask for confirmation of the information given in this document.

Design: Schneider Electric
Photos: Schneider Electric

Over 75% of Schneider Electric products have been awarded the Green Premium ecolabel.