

# เอกสารข้อมูลผลิตภัณฑ์

ข้อมูลจำเพาะ



Power quality meter, PowerLogic PM8000, Standard, integrated display, 512 MB, 256 s/c, MID certified

METSEPM82401

## Main

Range	PowerLogic
product name	PowerLogic PM8000
Product or component type	Power meter
Device short name	PM8240
Market segment	Buildings large building cost management: billing: sub feeder Buildings small building network management: main incomer Buildings medium building network management: main incomer Buildings large building network management: main incomer Buildings large building network management: sub feeder Buildings multi-site network management: main incomer Buildings multi-site network management: sub feeder Data center network management: main incomer Data center network management: sub feeder Healthcare network management: main incomer Healthcare network management: sub feeder Industry network management: main incomer Industry network management: sub feeder Utility: sub feeder
model type	Standard

## Complementary

Power quality analysis	conforming to EN 50160: 2010 compliance report conforming to IEEE 519: 2014 compliance report conforming to IEC 61000-4-30: class S power quality measurement up to the 63rd harmonic harmonic distortion waveform capture voltage sag and swell detection programmability (logic and math functions) conforming to IEC 62586 power quality monitoring disturbance direction detection rapid voltage change
Device application	WAGES metering Power monitoring
Type of measurement	Current Voltage Frequency Active and reactive power total Apparent power total Power factor total Active and reactive power per phase, rms Apparent power per phase, rms Power factor per phase, rms
supply voltage	90...415 V AC 45...65 Hz +/- 10 % 110...415 V DC +/- 10 %
Network frequency	50 Hz 60 Hz

การละสิทธิ: เอกสารนี้ไม่มีวัตถุประสงค์เพื่อใช้แทน หรือใช้เพื่อกำหนดความเหมาะสม หรือความน่าเชื่อถือของผลิตภัณฑ์เหล่านี้สำหรับการใช้งานเฉพาะทาง

<b>[In] rated current</b>	1 A 10 A 5 A
<b>Poles description</b>	3P + N 1P + N 3P
<b>Power consumption in VA</b>	16 VA at 230 V AC
<b>Display type</b>	Colour TFT LCD
<b>Display resolution</b>	320 x 240 pixels QVGA
<b>Sampling rate</b>	256 samples/cycle
<b>Measurement current</b>	50...10000 mA
<b>Analogue input type</b>	Voltage (impedance 5 MOhm) Current (impedance 0.3 mOhm)
<b>Measurement voltage</b>	57...400 V AC 42...69 Hz between phase and neutral 100...690 V AC 42...69 Hz between phases
<b>Frequency measurement range</b>	42...69 Hz
<b>Number of inputs</b>	3 digital 30 V AC 3 digital 60 V DC
<b>Measurement accuracy</b>	Current +/- 0.1 % Voltage +/- 0.1 % Active energy +/- 0.2 %
<b>Accuracy class</b>	Class 0.2S active energy conforming to IEC 62053-22 Class 0.2 active energy conforming to ANSI C12.20 Class 0.2 active power conforming to IEC 61557-12 Class 0.5S reactive energy conforming to IEC 62053-24 Class 0.5 power factor conforming to IEC 61557-12 Class 0.2 voltage conforming to IEC 61557-12 Class 0.2 current conforming to IEC 61557-12
<b>Number of outputs</b>	1 pulse
<b>Information displayed</b>	Voltage Current Frequency Power Energy consumption Harmonic distortion
<b>Communication port protocol</b>	Modbus RTU at 115 kbauds - 2-wire ION at 115 kbauds - 2-wire DNP3 IEC 61850 Modbus TCP/IP Ethernet Modbus TCP/IP daisy chain at 10/100 Mbit/s RSTP 801.1d 2004
<b>Communication port support</b>	ETHERNET Screw terminal block: RS485
<b>Data recording</b>	Time stamping Sequence of event recording GPS synchronisation Min/max of instantaneous values Event logs Sag and swell logs Harmonics logs Trending/forecasting Data logs Alarm logs Waveform logs 50 data recorders
<b>Memory capacity</b>	512 MB

Web services	Customizable home page File upload/download via FTP File upload/download via SFTP Web server Alarm notification by e-mail Viewing of captured waveform (FTP) Viewing of captured waveform (web) HTTPS server
Communication service	RSTP support SMTP e-mail notification NTP time synchronization SNMP PTP time synchronization
Mounting mode	Flush-mounted
Mounting support	Framework
Installation category	III
Safety Construction	III400...690 V conforming to IEC 61010-1:ed. 3 III400...690 V conforming to EN 61010-1:ed. 3 III347...600 V conforming to UL 61010-1:ed. 3 III347...600 V conforming to CSA C22.2 No 61010-1:ed. 3
Standards	IEC 61557-12 IEC 62052-11 IEC 62053-22 IEC 62053-24 IEEE 1588 IEC 62586-2 IEC 61326-1
Product certifications	CE CULus N998 MID
Width	96 mm
Depth	77.5 mm
Height	96 mm
Product weight	581 g
Targeted country	United Kingdom

## Environment

Electromagnetic compatibility	Electrostatic discharge conforming to IEC 61000-4-2 Radiated radio-frequency electromagnetic field immunity test conforming to IEC 61000-4-3 Electrical fast transient/burst immunity test conforming to IEC 61000-4-4 Surge immunity test conforming to IEC 61000-4-5 Conducted RF disturbances conforming to IEC 61000-4-6 Magnetic field at power frequency conforming to IEC 61000-4-8 Voltage dips and interruptions immunity test conforming to IEC 61000-4-11 Immunity to impulse waves conforming to IEC 61000-4-12 Conducted and radiated emissions conforming to EN 55022 Conducted and radiated emissions conforming to EN 55011 Conducted and radiated emissions conforming to FCC part 15 Conducted and radiated emissions conforming to ICES-003 Conducted RF disturbances (2...150 Hz) conforming to CLC/TR 50579 Surge withstand conforming to IEEE C37.90.1
IP degree of protection	IP54 front: conforming to IEC 60529 IP30 body: conforming to IEC 60529
Relative humidity	5...95 %
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C
Operating altitude	3000 m

# Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	14.000 cm
Package 1 Width	13.500 cm
Package 1 Length	18.500 cm
Package 1 Weight	938.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	8
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	8.063 kg

ชไนเดอร์ อิเล็คทริคมีเป้าหมายที่จะบรรลุสถานะ Net Zero ภายในปี 2050 ด้วยความร่วมมือในห่วงโซ่อุปทาน วัสดุที่มีผลกระทบต่ำลง และการหมุนเวียนผ่านแคมเปญ "Use Better, Use Longer, Use Again" เพื่อยืดอายุการใช้งานของผลิตภัณฑ์และการนำกลับมาใช้ใหม่

Environmental Data คืออะไร >

วิธีประเมินความยั่งยืนของผลิตภัณฑ์ >


🌱 <b>ฟุตพริ้นต์ด้านสิ่งแวดล้อม</b>	
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
<b>Use Better</b>	
📦 <b>วัสดุและสาร</b>	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
<a href="#">EU RoHS Directive</a>	Compliant with Exemptions
SCIP Number	03520ddb-79bb-4c6d-89b9-5e4182b3a577
REACH Regulation	<a href="#">REACH Declaration</a>
<b>Use Again</b>	
♻️ <b>บรรจุและผลิตใหม่</b>	
Circularity Profile	<a href="#">End of Life Information</a>
Take-back	No
WEEE	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Image of product / Alternate images

Alternative

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