Product data sheet

Specifications

Power quality meter, PowerLogic ION7400, Standard, integrated display, 512 MB, 256 s/c, THD, RVC

METSEION7400

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range	PowerLogic
Product name	PowerLogic ION7400
Product or Component Type	Power meter
Device short name	ION7400
model type	Standard

Complementary

Power quality analysis	EN 50160 2010 compliance report IEEE 519 2014 compliance report IEC 61000-4-30 class S power quality measurement up to the 63rd harmonic harmonic distortion waveform capture voltage sag and swell detection programmablity (logic and math functions) IEC 62586 power quality monitoring IEC 61000-4-15 disturbance direction detection rapid voltage change
Device Application	Revenue billing WAGES metering Data aggregation 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 Active and reactive energy Apparent energy
supply voltage	90...415 V AC 45...65 Hz +/- 10 % 110...415 V DC +/- 10 %
Network Frequency	50 Hz 60 Hz
Line Rated Current	10 A 5 A 1 A
Poles description	1P + N 3P 3P + N
Power Consumption in VA	18 VA 415 V AC
Display Type	Colour TFT LCD

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Display Resolution	320 x 240 pixels QVGA
Sampling rate	256 samples/cycle
Measurement current	50…10000 mA
Analogue input type	Voltage (impedance 5 MOhm) Current (impedance 0.3 mOhm)
Measurement voltage	57…400 V AC 42...69 Hz between phase and neutral 100…690 V AC 42...69 Hz between phases
Frequency measurement range	42…69 Hz
Number of inputs	3 digital 30 V AC 3 digital 60 V DC
Measurement accuracy	Current +/- 0.1 % Voltage +/- 0.1 % Active energy +/- 0.2 %
Accuracy class	Class 0.2S active energy IEC 62053-22 Class 0.2 active energy ANSI C12.20 Class 0.2 active power IEC 61557-12 Class 0.5S reactive energy IEC 62053-24 Class 0.5 power factor IEC 61557-12 Class 0.2 voltage IEC 61557-12 Class 0.2 current IEC 61557-12 Class 0.2 frequency IEC 61557-12 Class 0.2 active energy IEC 61557-12
Number of Outputs	1 pulse
Information displayed	Voltage Current Frequency Power Energy consumption Harmonic distortion
Communication port protocol	Modbus RTU 115 kbauds - 2-wire ION 115 kbauds - 2-wire DNP3 IEC 61850 Modbus TCP/IP Ethernet Modbus TCP/IP daisy chain 10/100 Mbit/s RSTP 801.1d 2004 Ansi C12.19 DLMS
Communication port support	ETHERNET Screw terminal block RS485 Optical probe fiber optic Mini B USB USB
Communication Network Type	IPv6 (internet protocol)
Data recording	Alarm logs Waveform logs Sequence of event recording Event logs Sag and swell logs Data logs Harmonics logs GPS synchronisation Time stamping Trending/forecasting Min/max of instantaneous values 50 data recorders
Memory capacity	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	DHCP RSTP support NTP time synchronization SMTP e-mail notification PTP time synchronization
Cybersecurity	Syslog protocol support Robust security logs Enable/disable communication ports Password protection Port hardening
Mounting Mode	Flush-mounted
Mounting support	Framework
Type of Installation	Indoor installation
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 62053-22 IEC 62052-11 IEC 62053-24 IEC 61557-12 IEC 61326-1 IEEE 1588 IEC 62586
Product certifications	CE CULus N998
Width	3.9 in (98 mm)
Depth	3.09 in (78.5 mm)
Height	4.4 in (112 mm)
Net Weight	24.9 oz (706 g)

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	-13…158 °F (-25…70 °C)
Ambient Air Temperature for Storage	-40…185 °F (-40…85 °C)
Operating altitude	9842.52 ft (3000 m)

Ordering and shipping details

Category	US10PM109753

Discount Schedule	0PM1
GTIN	3606480930607
Returnability	Yes
Country of origin	CA

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	5.5 in (14.0 cm)
Package 1 Width	5.5 in (14.0 cm)
Package 1 Length	7.3 in (18.5 cm)
Package weight(Lbs)	2.27 lb(US) (1.03 kg)

🌱 Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained ›

How we assess product sustainability ›

🍃 Environmental footprint

Carbon footprint (kg CO2 eq, Total Life cycle)	**215**
Environmental Disclosure	**Product Environmental Profile**

Use Better

🍂 Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**No**
EU RoHS Directive	**Compliant with Exemptions**
SCIP Number	**23a3df3b-8f68-444e-b6b0-c97b248da7da**
REACh Regulation	**REACh Declaration**
California proposition 65	**WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**
PVC free	**Yes**

Use Again

↻ Repack and remanufacture

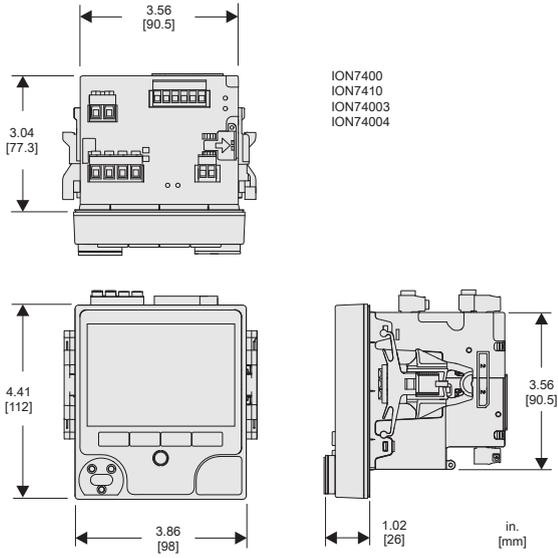|	
Circularity Profile	**End of Life Information**
Removable battery	**No**
Take-back	**No**
WEEE Label	☒ **The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.**

METSEION7400

Technical Illustration

Dimensions

ION7400
ION7410
ION74003
ION74004

3.56
[90.5]

3.04
[77.3]

4.41
[112]

3.56
[90.5]

3.86
[98]

1.02
[26]

in.
[mm]

ALL DIMENSIONS ARE APPROXIMATE.
ALSO REFER TO TECHNICAL DRAWINGS AND DOCUMENTATION.

Sep 17, 2025

Image of product / Alternate images

Alternative