Product data sheet





PowerLogic

PowerLogic ION7400

Power quality meter, PowerLogic ION7400, Standard, transducer, 512 MB, 256 s/c

METSEION7413

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

Price*: 8,032.37 USD

Main Range

Product Name

Device Short Name	ION7413
Product Or Component Type	Power meter
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	WAGES metering
	Power monitoring
	Data aggregation
	Revenue billing
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	2060 V DC +/- 10 %
Network Frequency	50 Hz
	60 Hz
Line Rated Current	10 A
	1 A
	5 A
Poles Description	1P + N
·	3P
	3P + N
Power Consumption In W	17 W
Display Type	Without Display
Sampling Rate	256 samples/cycle

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

Measurement Current	5010000 mA
Analogue Input Type	Voltage (impedance 5 MOhm) Current (impedance 0.3 mOhm)
Measurement Voltage	57400 V AC 4269 Hz between phase and neutral 100690 V AC 4269 Hz between phases
Frequency Measurement Range	4269 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 DLMS
Communication Port Support	ETHERNET Screw terminal block RS485 Mini B USB USB
Communication Network Type	IPv6 (internet protocol)
Data Recording	Sequence of event recording Trending/forecasting Harmonics logs Time stamping GPS synchronisation Waveform logs Min/max of instantaneous values Sag and swell logs Data logs Event logs Alarm logs 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	NTP time synchronization	
Communication Service		
	SMTP e-mail notification	
	RSTP support	
	DHCP	
	SNMP	
	PTP time synchronization	
	1 11 tille syllollization	
Cybersecurity	Enable/disable communication ports	
	Robust security logs	
	Port hardening	
	· · · · · · · · · · · · · · · · · · ·	
	Password protection	
	Syslog protocol support	
Mounting Mode	Clip-on	
Mounting Support	DIN rail	
Type Of Installation	Indoor installation	
Installation Category	III	
Safety Construction	III400690 V conforming to IEC 61010-1:ed. 3	
	III400690 V conforming to EN 61010-1:ed. 3	
	III347600 V conforming to UL 61010-1:ed. 3	
	III347600 V conforming to CSA C22.2 No 61010-1:ed. 3	
Standards	IEC 61326-1	
	IEC 62053-22	
	IEC 62053-24	
	IEC 62052-11	
	IEC 61557-12	
	IEEE 1588	
	IEC 62586	
Product Certifications	CE	
Trouble Gordinousions	CULus	
	N998	
Width	3.56 in (90.5 mm)	
Depth	3.57 in (90.8 mm)	
Height	3.56 in (90.5 mm)	
Net Weight	18.62 oz (528 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 (2150 Hz) conforming to CLC/TR 50579	
	Surge withstand conforming to IEEE C37.90.1	
Ip Degree Of Protection	IP30 conforming to IEC 60529	
Relative Humidity	595 %	
Ambient Air Temperature For Operation	-13158 °F (-2570 °C)	
Ambient Air Temperature For Storage	-40185 °F (-4085 °C)	
Operating Altitude	9842.52 ft (3000 m)	

Ordering and shipping details

Category US10PM109753

Discount Schedule	0PM1	
Gtin	3606481384584	
Returnability	No	
Country Of Origin	US	

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	5.51 in (14.0 cm)
Package 1 Width	5.51 in (14.0 cm)
Package 1 Length	7.28 in (18.5 cm)
Package 1 Weight	2.27 lb(US) (1.03 kg)



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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Transparency RoHS/REACh

Well-being performance



Rohs Exemption Information

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Circularity Profile	End of Life Information
California Proposition 65	WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov