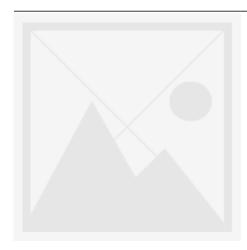
Product data sheet Characteristics

METSEION7404

PowerLogic ION7400 DIN rail mount - utility meter base + Remote display





Main

TTT-COLOR		
Range	PowerLogic	
Product name	PowerLogic ION7400	<u></u>
Device short name	ION7403	
Product or component type	Power meter	بر بر

Complementary

Power quality analysis	conforming to EN 50160: 2010 compliance report	
Tower quality analysis	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	
	programmablity (logic and math functions)	
	conforming to IEC 62586 power quality monitoring	
	conforming to IEC 61000-4-15 flicker	
	disturbance direction detection	
Device application	Revenue billing	
	Data aggregation	
	Power monitoring	
	WAGES metering	
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	
	11 05	
Supply voltage	90415 V AC 4565 Hz +/- 10 %	

	110415 V DC +/- 10 %	
Network frequency	50 Hz 60 Hz	
[In] rated current	1 A 5 A 10 A	
Poles description	3P + N 3P 1P + N	
Power consumption in VA	18 VA at 415 V AC	
Display type	Remote LCD display	
Display resolution	320 x 240 pixels QVGA	
Sampling rate	256 samples/cycle	
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 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 Class 0.2 frequency conforming to IEC 61557-12 Class 0.2 active energy conforming to IEC 61557-12	
Number of outputs	1 pulse	
Information displayed	Voltage Current Frequency Power Energy consumption Harmonic distortion	
Communication port protocol	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 DLMS	
Communication port support	Ethernet Screw terminal block: RS485 Mini B USB: USB	
Communication network type	IPv6 (internet protocol)	
Data recording	Time stamping Trending/forecasting Waveform logs Sequence of event recording Min/max of instantaneous values Harmonics logs Data logs Sag and swell logs GPS synchronisation Event logs Alarm logs	
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	SMTP e-mail notification NTP time synchronization RSTP support DHCP PTP time synchronization
Cybersecurity	Enable/disable communication ports Port hardening Syslog protocol support Password protection Robust security logs
Mounting mode	Flush-mounted Clip-on
Mounting support	DIN rail meter device Framework remote display
Provided equipment	Remote display
Type of installation	Indoor installation
Installation category	III
Safety Construction	III, 400690 V conforming to IEC 61010-1:ed. 3 III, 400690 V conforming to EN 61010-1:ed. 3 III, 347600 V conforming to UL 61010-1:ed. 3 III, 347600 V conforming to CSA C22.2 No 61010-1:ed. 3
Standards	IEC 62052-11 IEC 61557-12 IEC 62053-22 IEC 62053-24 IEC 61326-1 IEEE 1588 IEC 62586
Product certifications	CE CULus N998
Width	90.5 mm
Depth	90.8 mm
Height	90.5 mm
Net weight	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	-2570 °C
Ambient air temperature for storage	-4085 °C
Operating altitude	3000 m
	· · · · · · · · · · · · · · · · · · ·

Offer Sustainability

Green Premium product	
REACh Declaration	
Compliant EU RoHS Declaration	
Yes	
Yes	
China RoHS declaration	
Product Environmental Profile	
End of Life Information	
The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins	