# METSEION7404A

Power quality meter, PowerLogic ION7400, Advanced, transducer and remote display, 512 MB, 512 s/c





#### Main

TVI CALL	
Range	PowerLogic
Product name	PowerLogic ION7400
Device short name	ION7403
Product or Component Type	Power meter

Complementary

Power quality analysis	EN 50160 2010 compliance report
Towo quality analysis	IEEE 519 2014 compliance report
	IEC 61000-4-30 class A power quality measurement
	Up to the 63rd harmonic
	Harmonic distortion
	Waveform capture
	EN 50160 2010 voltage sag and swell detection
	IEC 61000-4-30 class A programmablity (logic and math functions)
	IEC 62586 power quality monitoring
	IEC 61000-4-15 flicker IEC 61000-4-15 disturbance direction detection
	Rapid voltage change
Device Application	Revenue billing
Device Application	WAGES metering
	Data aggregation
	Power monitoring
Type of measurement	Current total
	Voltage total
	Frequency per phase, rms
	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 per phase, rms
Supply voltage	90415 V AC 4565 Hz +/- 10 %
	110415 V DC +/- 10 %
Network Frequency	50 Hz
	60 Hz
Line Rated Current	1 A
	5 A
	10 A
Poles description	3P + N
	3P 1P + N
Day of October 1991 in NA	
Power Consumption in VA	18 VA 415 V AC
Display Type	Remote LCD display
Display Resolution	320 x 240 pixels QVGA
Sampling rate	512 samples/cycle
Measurement current	5010000 mA

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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	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 64 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	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	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 62052-11 IEC 61557-12 IEC 62053-22 IEC 62053-24 IEC 61326-1 IEEE 1588 IEC 62586
Product certifications	CE[RETURN]CULus[RETURN]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 IEEE C37.90.1
IP degree of protection	IP30 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

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GTIN		3606486874929

### Packing Units

r doking office	
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	14.57 in (37.0 cm)
Package 1 Weight	3.17 lb(US) (1.437 kg)
Unit Type of Package 2	S03
Number of Units in Package 2	4
Package 2 Height	11.81 in (30 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	13.89 lb(US) (6.302 kg)

## Offer Sustainability

Green Premium product
WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov
☑ REACh Declaration
Compliant with Exemptions
☐ China RoHS Declaration
€Yes
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.