



Equion™ Monitor

Energy Management Hardware



Equion™ Monitor Features





Equion™ Monitor

Key Features

Revenue Grade Metering

- + Comes with Acuvim II or Acuvim L meters.
- + Acuvim L compliant with ANSI C12.20 class 0.2 & IEC62053-22 class 0.2s.
- + Acuvim II compliant with ANSI C12.20 class 0.1 & IEC 62053-22 class 0.1s.

Basic Power Quality Monitoring

- + Acuvim II comes with IEC 61000-4-30 Class S compliant power quality event measurements.
- + Measures 2nd to 63rd harmonics.
- + IEC 61000-4-30 Class S compliant waveform capture for voltage sag, voltage swell, voltage interrupt, and current swell.

NEMA 4X Rated Enclosure

- + Built with NEMA 4X rated polycarbonate enclosure.
- + Offering protection against dust, water, extreme temperature, and harsh environmental conditions.
- + Suitable for both indoor and outdoor uses.
- + Superior protection to metering equipment.



UL Certified

- + UL Listed certifies that the Equion™ Monitor has been rigorously tested and meets UL safety standards for its intended use and environment.
- + UL 508A Certified confirms the panel is properly designed and assembled using UL-approved components to minimize electrical hazards.
- + Every Equion™ Monitor unit is tested to ensure dependable long-term performance.

Self-Powered Design

- + No separate power source required for Equion™ Monitor control panel.
- + Supports direct line-to-line connection for simplified wiring.
- + Reduces installation time for faster deployment.
- + Ideal for OEM projects that requires efficient, quick setup.

Pre-Wired & Pre-Configured

- + All components are pre-wired and pre-configured.
- + Colour-coded and clearly labelled for easy identification and installation.
- + Minimizes wiring errors and simplifies future maintenance.
- + Speeds up installation and deployment while ensuring long-term reliability.

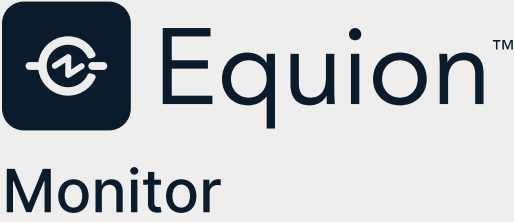
Secure Design

- + Featuring a lockable enclosure to prevent unauthorized access.
- + Protected with metrology seals against tampering.
- + Ensures data integrity and extend the lifespan of critical metering devices.



Equion™ Monitor

Specifications



Compatible
Meters



Acuvim II

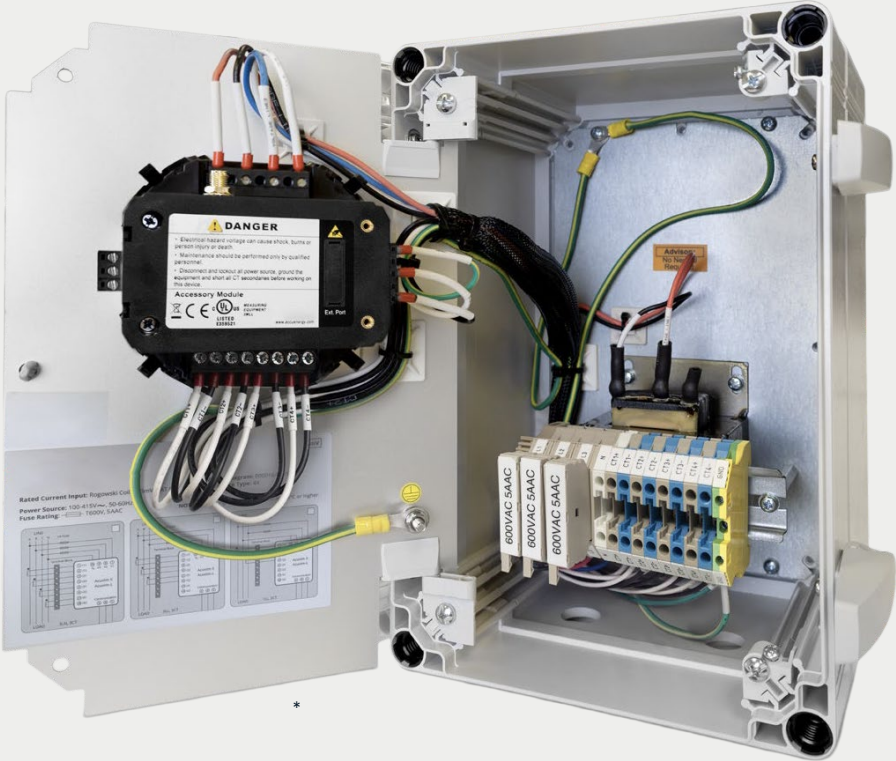


Acuvim L

Application	Indoor or outdoor installations that require exceptional environmental protection and weather resistance
Safety Certifications	UL508A, UL61010-1
NEMA Rating	NEMA 4X
Material	Polycarbonate
Anti-Corrosive	•
Dust Proof	•
Suitable for Indoor Use	•
Suitable for Outdoor Use	•
Pre-Wired	•

Each Standard, Pre-Wired Equion™ Monitor includes:

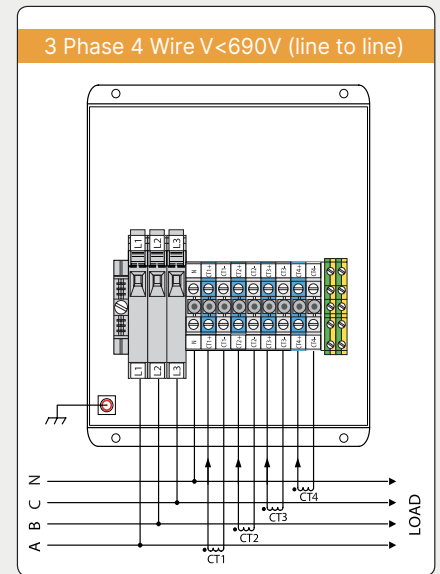
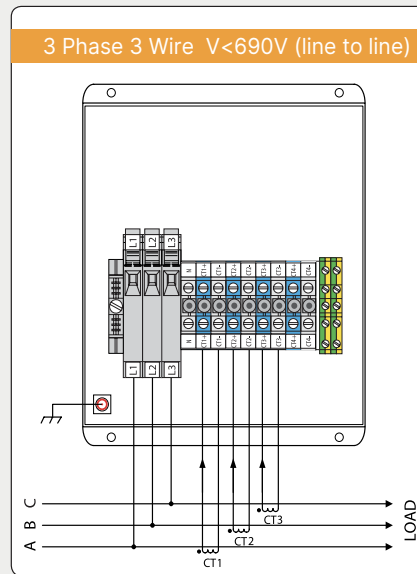
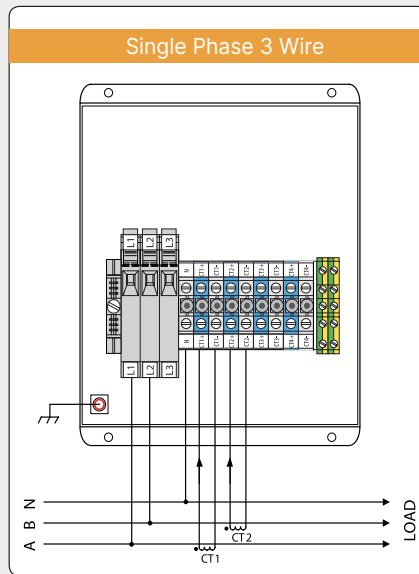
- + Terminal blocks for current transformer input
- + Shorting blocks for current transformers
- + Terminal blocks for voltage inputs
- + Three industrial-grade fuses



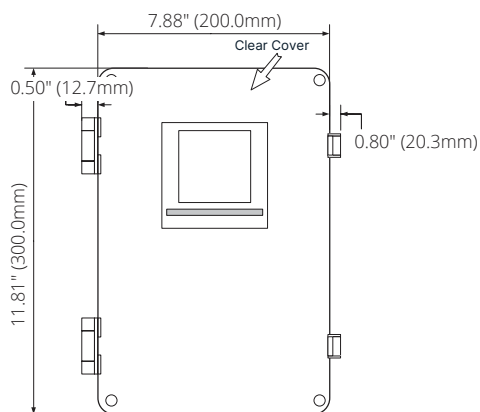


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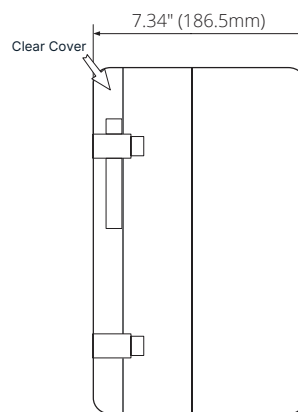
Wiring Diagrams



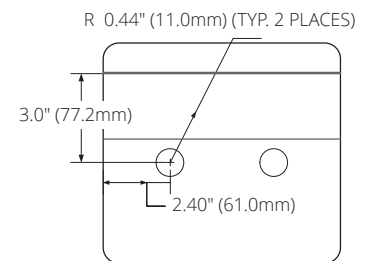
Dimensions



Front View



Side View



Bottom View



Equion™ Monitor

Ordering Information

Equion™ Monitor with Acuvim II

Pre-Wired Panel	Meter Model	Current Input	Power Supply	Communication Module Option	*	2nd I/O Option *	3rd I/O Option *
Equion™ Monitor: NEMA 4X Indoor / Outdoor Waterproof Polycarbonate Panel	IIR: Acuvim II with Data Logging	5A: 5A or 1A (Input Field Selectable)	P1V3: 100~415Vac, 50/60Hz, 100-300Vdc	0: None		0: None	0: None
	IIW: IIR + Waveform Capture and PQ Event Logging	mV: 333mV Input and Rogowski Coil (Input Field Selectable)	P2V3: 20-60Vdc	WEB2: Modbus-TCP/IP, BACnet-IP, SNMP V3, DNP 3.0 V2, IEC 61850 2nd Edition, SMTP, NTP, HTTP post, HTTPs post, FTP post, sFTP server, HTTPs webserver, dual RJ45, WiFi		IO1: 6DI, 2RO, 1 DI Power Supply	IO1: 6DI, 2RO, 1 DI Power Supply
		mA: 80mA / 100mA / 200mA (Input Field Selectable)	P3V3: 480Vac	WEB2-D: Modbus-TCP/IP, BACnet-IP, SNMP V3, DNP 3.0 V2, IEC 61850 2nd Edition, SMTP, NTP, HTTP post, HTTPs post, FTP post, sFTP server, HTTPs webserver, dual RJ45, Ethernet Port		IO2: 4DI, 2AO, 2DO	IO2: 4DI, 2AO, 2DO
			P4V3: 600Vac	PROFI: PROFIBUS-DP		IO3: 4DI, 2RO, 2AI	IO3: 4DI, 2RO, 2AI
				RS485: Second RS485 Port			
				IO1: 6DI, 2RO, 1 DI Power Supply			
				IO2: 4DI, 2AO, 2DO			
				IO3: 4DI, 2RO, 2AI			

Equion™ Monitor with Acuvim L

Pre-Wired Panel	Meter Model	Current Input	Power Supply	Communication Module Option	*	2nd I/O Option *	3rd I/O Option *
Equion™ Monitor: NEMA 4X Indoor / Outdoor Waterproof Polycarbonate Panel	CL: General Meter	5A: 5A or 1A (Input Field Selectable)	P1V4: 100-415Vac, 50-60Hz 100-300Vdc	0: None		0: None	0: None
	EL: CL + TOU and PQ parameters	mV: 333mV Input and Rogowski Coil (Input Field Selectable)	P2V4: 20-60Vdc	WEB2: Modbus-TCP/IP, BACnet-IP, SNMP V3, DNP 3.0 V2, IEC 61850 2nd Edition, SMTP, NTP, HTTP post, HTTPs post, sFTP server, HTTPs webserver, dual RJ45, WiFi, Dual Ethernet Port		IO1: 6DI, 2RO, 1 DI Power Supply	IO1: 6DI, 2RO, 1 DI Power Supply
			P3V4: 480Vac	WEB2-D: Modbus-TCP/IP, BACnet-IP, SNMP V3, DNP 3.0 V2, IEC 61850 2nd Edition, SMTP, NTP, HTTP post, HTTPs post, FTP post, sFTP server, HTTPs webserver, dual RJ45, Ethernet Port		IO2: 4DI, 2AO, 2DO	IO2: 4DI, 2AO, 2DO
			P4V4: 600Vac	PROFI: PROFIBUS-DP		IO3: 4DI, 2RO, 2AI	IO3: 4DI, 2RO, 2AI
				RS485: Second RS485 Port			
				IO1: 6DI, 2RO, 1 DI Power Supply			
				IO2: 4DI, 2AO, 2DO			
				IO3: 4DI, 2RO, 2AI			

*No more than two of the same I/O modules may be attached to the meter (example: Two AXM-IO2).

Specifications are subject to change without notice.



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