



INTEGRA
1630

Now with
BACnet/IP

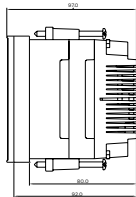


Crompton Instruments Integra 1630 Digital Metering System

Multifunction Crompton Instruments Integra 1630 digital metering systems provide high accuracy 0.2% measurement, display and communication of all major electrical and power quality parameters including total harmonic distortion (THD) measurement up to the 31st harmonic. To suit user requirements, the range includes single-phase, three-phase three-wire and three-phase four-wire capability, all selectable at the point of installation.

Ethernet Connection

The Integra 1630 with Ethernet communication module supports connection to SCADA systems using the BACnet/IP protocol. The Integra 1630 with Ethernet module acts as a BACnet/IP server device and may be queried by a BACnet/IP client device which conforms to the BACnet/IP protocol. The Integra 1630 Ethernet module supports 10Base-T Ethernet communication. Connection is normally via an Ethernet switch or hub that supports the IEEE 802.3 standard at 10/100Mbps.



Energy Division

IP Address Assignment

The Integra 1630 Ethernet option supports static IP address assignment. The Integra 1630 IP address is factory set to "192.168.1.100", but may be changed by the user before installation. The IP address of the Integra 1630 at installation must be appropriate for the network to which it is attached and should be determined by the network administrator.



Features

- Low profile
- BACnet/IP protocol ANSI/ASHRAE 135 - 1995 Annex J
- High contrast LED display
- 0.2% accuracy
- LED annunciators for each measured parameter
- User programmable system configuration (4-wire default)
- Fully programmable VT and CT ratios
- Current demand per phase
- Elapsed time counter for connected loads
- Removable bezel for very low profile applications



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Product Family	System Type	Input V	Input I	Auxiliary V	Options
16	30-LED DIN96	L - 57.7 - 139 L -N (100 - 240 L - L)	5-5A 1-1A	L-12-48 V DC M-100-250V AC/DC	000: No Option 010: Modbus™ 100: One Pulse 200: Two Pulse 210: Two Pulse & Modbus™ 110: One Pulse & Modbus™ 050: Profibus DP™ 250: Two Pulse & Profibus DP™ 070: Modbus/TCP 080: BACnet/IP
Low Profile	User Selectable System Type	M - 140 - 277 L -N (241 - 480 L - L)			
Features as Specified	Factory Default-4 Wire				

Order Code Example: INT-1630-M-5-M-110

Integra 1630 digital metering system, 3-phase 4-wire, nominal input voltage, 140-277V L-N (241-480V) L-L, 5A CT input, auxiliary supply 100 to 250V AC or DC, one relay pulsed output and one RS485 Modbus communication port.

3-in-1 Current Transformers

A range of 3-in-1 current transformers combine three traditional current transformers in one moulded case. 3-in-1 current transformers can be directly installed next to a three-phase moulded case circuit breaker, thus saving installation time where fitting three standard individual current transformers would be required. The M3N1 range of current transformers offers primary currents between 60-630A with 5A secondaries with up to class 0.5 accuracy performance.



Features

- Cost effective three-phase moulded case
- Ratio's ranging from 60/5 to 630/5
- Integrated wire sealable terminal cover
- Busbar, DIN-rail and metal feet mounting hardware supplied
- Combined M4 posi/slot screw

Benefits

- Isolated output for safety
- Faster installation
- Compact size
- Ex-stock delivery

Applications

- Switchgear
- Distribution systems
- Generator sets
- Control panels