

Now with Modbus TCP

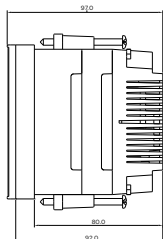


Crompton Instruments Integra 1630 Digital Metering System

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 MODBUS®TCP protocol. The INTEGRA 1630 with Ethernet module acts as a MODBUS slave device and may be queried by a MODBUS master device which conforms to the MODBUS®TCP 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.



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
- Modbus TCP
- 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

Product Code INT - XX XX - X - X - X - XXX

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 TM 100: One Pulse 200: Two Pulse 210: Two Pulse & Modbus TM 110: One Pulse & Modbus TM 050: Profibus DP TM 250: Two Pulse & Profibus DP TM 070: Modbus TCP
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.



CT Accessories

Crompton Instruments Current Transformers range offers a comprehensive measuring and protection class accuracies. The range offers a wide selection of system current ratings, busbar sizes, case widths, apertures and mounting options to every application.

Features

- Cost effective moulded case measuring current transformers
- Limited range include the seven most popular sizes of current transformers
- Ratio ratings from 30/5 to 4000/5
- Comprehensive measurement of class accuracy
- Wide range of system current ratings, busbar sizes, case widths and apertures
- Wire sealable terminal covers
- Feet mounting and busbar options

All of the above information, including drawings, illustrations and graphic designs, reflects our present understanding and is to the best of our knowledge and belief correct and reliable. Users, however, should independently evaluate the suitability of each product for the desired application. Under no circumstances does this constitute an assurance of any particular quality or performance. Such an assurance is only provided in the context of our product specifications or explicit contractual arrangements. Our liability for these products is set forth in our standard terms and conditions of sale. TE logo and Tyco Electronics are trademarks. CROMPTON is a trademark of Crompton Parkinson Ltd. and is used by Tyco Electronics under licence. Other trademarks or company names used herein are the property of respective owners.

Energy Division – economical solutions for the electrical power industry: cable accessories, connectors & fittings, electrical equipment, instruments, lighting controls, insulators & insulation enhancement and surge arresters.