# INTEGRA 1630

## Now with **BACnet MSTP**

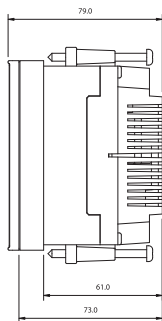# Crompton Instruments Integra 1630 Digital Metering System

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.

### BACnet MSTP Interface

Integra 1630 options include a BACnet MSTP module for connection via RS485 to SCADA or Building Automation and Management systems running BACnet MSTP clients. The Integra 1630 acts as a server device and waits to receive requests from a BACnet client that must conform to the BACnet MSTP Protocol. The module is fitted with a three-way screw terminal block to daisy-chain the BACnet communications cable. Standard RS485 communications cable should be used. Note that with this interface option fitted, there are no other external communication protocols available and pulsed relay outputs are not fitted.

### Address Assignment

The Integra 1630 BACnet MSTP option supports half duplex communication and has valid MAC addresses in the range 0 to 127. They can be set-up or changed by adjusting the DIP switch setting on the rear of the Integra 1630 meter.

### Features
- Low profile
- ANSI/ASHRAE Standard 135 (Section 9)
- 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

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## 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**–12–48V DC **M**–100–250V AC/DC | **000**: No option **010**: Modbus RTU RS485 **100**: One pulse **200**: Two pulse **210**: Two pulse & Modbus RTU RS485 **070**: Modbus TCP **080**: BACnet/IP **090**: BACnet MSTP |
| Low profile | User selectable system type | **M**–140–277 L–N (241–480 L–L) | | | |
| Features as specified | Default - 4-wire | | | | |
| Factory default | | | | | |

### 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 Modbus RTU RS485 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

**TE Energy – innovative and economical solutions for the electrical power industry: cable accessories, connectors & fittings, insulators & insulation, surge arresters, switching equipment, street lighting, power measurement and control.**

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