

Crompton Digital Metering System



1630

- 35 Measured Parameters
- 0.2% Basic Accuracy
- Field Selectable CT & PT Ratios
- Ethernet or RS-485 Interface
- 1/4 DIN Case

The Integra 1630 has Modbus communication and field selectable system configuration: single-phase, three-phase three-wire or three-phase four-wire.

Measure & Display

- System (average) volts
- System (average) current
- System (total) kW
- System volts (average) THD%
- System current (average) THD%
- Volts L1 - N, L2 - N, L3 - N
- Volts L1 - L2, L2 - L3, L3 - L1
- Volts L1 - N THD%
- Volts L2 - N THD%
- Volts L3 - N THD%
- Volts L1 - L2 THD%
- Volts L2 - L3 THD%
- Volts L3 - L1 THD%
- Current L1, L2, L3
- Current line 1 THD%
- Current line 2 THD%
- Current line 3 THD%
- Neutral current
- Frequency
- Power factor (overall)
- kVA, kVA, kW
- kW Hr import, export (7 digits)
- kVAh import, export (7 digits)
- kW demand
- Current demand
- Maximum kW demand
- Maximum current demand
- Hours run

SPECIFICATIONS

Measuring Ranges

Voltage:	80-120% of nominal (functional 5-120%)
Current:	5-120% of nominal
Frequency:	45-66Hz
Power Factor:	0.8 capacitive to 0.8 inductive
THD:	Up to 31st harmonic 0% - 40%
Energy:	7 digit resolution

Input

PT Ratio (primary):	up to 400kV **
CT Ratio:	9999:5A **

Outputs

RS-485:	Half duplex (2-wire)
Baud rates:	4800, 9600, 19200, 38400
Pulsed:	1 or 2 Solid state relays
Pulse duration:	60, 100 or 200 milliseconds
Contact rating:	50mA max at 250V AC max.

Auxiliary Supply

AC/DC supply:	85-287VAC, 85-312VDC, 45-66Hz
DC supply:	10.2-60VDC
Burden:	6VA

** 360MW max at 120% of relevant input

ORDERING INFORMATION

INT-1630 -Example INT-1630-M-5-M-110

A - B - C - D

A Input Voltage

L	57.7-139 L-N (100-240 L-L)
M	140-277 L-N (241-480 L-L)

B Input Current (CT secondary)

5	5A
1	1A

C Auxiliary Voltage

L	12-48 V DC
M	100-250V AC/DC

D Options

000	None
010	RS-485 Modbus RTU
100	One Pulse
200	Two Pulse
210	Two Pulse & Modbus
110	One Pulse & Modbus
070	Ethernet Modbus TCP