

## London Electronics Programmable Meter

**NEW**



**Intuitive 2** ▲

- 1/8 DIN, IP65 Front
- Large 0.55" LED Display
- Simplified Setup – No Menus
- Display Filtering
- 10-Point Custom Linearization
- 0.05% Basic DC Accuracy
- Variable Brightness Display



Input types to match common sensors & process signals.

### ORDERING INFORMATION

To Order—Insert Number Code for Each Letter to Select Catalog Number.  
Order Example: INT2-P-0-0-232-R-AC

INT2- **A** - **B** - **C** - **D** - **E** - **F**

<b>A Input Type</b>			
P	DC Process: 0-10V, 1-5V, 0-10mA, 4-20mA		
M	Millivolt Input for use with DC shunts		
T	Temperature: J K T R S N & Pt100, °F & °C		
R	4-Wire Resistance: specify range to 20kΩ		
L	Load Cell: 4/6-wire, w/ 10V excitation		
I	Flow Integrator: 0-10V, 4-20mA		
H	Clock/Timer, numeric or HH:MM:SS display		
C	Counter/Frequency/RPM/Quadrature		
S	Remote Display, serial ASCII data input		
<b>B Analog Output (Isolated)</b>			
O	None	ANV	0-10V
ANI	4-20 mA	ANB	-10 to +10V
<b>C Relay Output (2A@250 VAC)</b>			
O	None	AL4	4 Form A
AL2	2 Form A	SPCO	2 Form C
<b>D Serial Data Output</b>			
O	None	MB	RS-485 ModBus RTU
232	RS-232	EN	Ethernet
485	RS-485, ASCII		
<b>E Display Color</b>			
R	Red	Y	Yellow
G	Green		
<b>F Supply Voltage</b>			
AC	100-240 VAC		
DC	11-30 VDC		

DIGITAL METERS

## 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)
- kVAR, kVA, kW
- kW Hr import, export (7 digits)
- kVARh import, export (7 digits)
- kW demand
- Current demand
- Maximum kW demand
- Maximum current demand
- Hours run

### SPECIFICATIONS

<b>Measuring Ranges</b>	
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
<b>Input</b>	
PT Ratio (primary):	up to 400kV **
CT Ratio:	9999:5A **
<b>Outputs</b>	
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.
<b>Auxiliary Supply</b>	
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	
<b>A - B - C - D</b>	
<b>A Input Voltage</b>	
L	57.7-139 L-N (100-240 L-L)
M	140-277 L-N (241-480 L-L)
<b>B Input Current (CT secondary)</b>	
5	5A
1	1A
<b>C Auxiliary Voltage</b>	
L	12-48 V DC
M	100-250V AC/DC
<b>D Options</b>	
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