Crompton Power & Energy Transducer Systems

- Replaces multiple single function transducers
- Measures up to 50 electrical parameters
- True 3 and 4 wire measurement
- Power, energy & power quality data
- Pulsed, analogue and digital outputs
- Programmable VT and CT ratios
- Local or remote configuration & monitoring
- DIN rail or base mounted styles

Up to 50 electrical and power quality parameters can be measured and communicated into building management systems or viewed through the PC configuration software.

These transducers can be programmed using the configuration software or the optional Integra display unit. The display unit can be permanently mounted near the transducer, or connected when configuration or status information is required.

1560

SPECIFICATIONS

Input	Voltage	Current
Max Continuous:	120% nominal	120% nominal
Max Short Duration:	2x for 1 sec.	20x for 1 sec.
Burden:	< 0.2 VA	< 0.6 VA
PT Ratio (primary):	up to 400kV **	
CT Primary:	9999:5A **	
Outputs		
RS485:	Two wire half duplex	
Baud Rate:	2400, 4800, 9600, 19200	
Pulsed:	Clean contact SPNO, 100V DC 0.5A max	
Pulse Duration:	60, 100 or 200 milliseconds	
Auxiliary Supply		
AC/DC:	85-287 V AC / 85-312 V DC Absolute,45-66 Hz	
DC:	10.2-60 V DC Absolute	
Supply Burden:	6VA	
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	
Accuracy		
Voltage, Current:	±0.17% of range	
Frequency:	0.15% of mid frequency	
Power:	±0.2% of range	
Power Factor:	1% of unity	
Reactive Power (VAr):	±0.5% of range	
Apparent Power (VA):	±0.2% of range	
THD:	±1%	
Neutral Current:	±0.95% of range	
Energy:	KWh 1% IEC1036	
KVArh:	2%	
Analog Output:	±0.2%	
Operating Temperature:	-20 to +60°C, <90% RH	
Enclosure	Polycarbonate	
DIN Transducer:	5.5"H x 3.72"W x 3.72"D (140 x 95 x 95mm)	
Base Mount Transducer:	5.2"H x 3.74"W x 5.24"D (132 x 95 x 134mm)	
Display:	4.31"H x 4.31"W x 2.9"D(110 x 110 x 74mm)	
Panel Cut Out (Display):	4.06" (103mm) diameter, 4 studs	

** 360MW max at 120% of relevant input

ORDERING INFORMATION

To Order: Insert Code for Each Letter to Select Catalog Number.
Example INT-1563-M-5-M-013-1

INT- [A] - [B] - [C] - [D] - [E] - [F]

A	**Model**	
	1561	single phase 5A CT input, DIN Rail
	1562	single phase 3 wire 5A CT input, DIN Rail
	1563	3 phase 3 wire 5A CT input, DIN Rail
	1564	3 phase 4 wire 5A CT input, DIN Rail
	1581	single phase 5A CT input, Base mount
	1582	single phase 3 wire 5A CT input, Base mount
	1583	3 phase 3 wire 5A CT input, Base mount
	1584	3 phase 4 wire 5A CT input, Base mount
B	**Input Voltage**	
	L	57.7 – 139V L-N (1561 & 1581) 114 - 278 V L-L, 57.7 – 139V L-N (1562 & 1582) 100 – 240 V L-L, 57.7 – 139V L-N (1563,4 & 1583,4)
	M	140 – 277 V L-N (1561 & 1581) 279 – 480 V L-L, 140 – 240V L-N (1562 & 1582) 241 – 480 V L-L, 140 – 277V L-N (1563,4 & 1583,4)
C	**Input Current**	
	5	5A (CT secondary)
D	**Auxiliary Supply**	
	L	12 – 48V DC
	M	100 – 250V AC/DC
E	**Communications Options**	
	010	1 Modbus
	012	1 Modbus, 2 analog
	013	1 Modbus, 3 analog
	014	1 Modbus, 4 analog
	110	1 pulse/relay, 1 Modbus
	112	1 pulse/relay, 1 Modbus, 2 analog
	113	1 pulse/relay, 1 Modbus, 3 analog
	114	1 pulse/relay, 1 Modbus, 4 analog
	210	2 pulse/relay, 1 Modbus
	212	2 pulse/relay, 1 Modbus, 2 analog
	410	4 pulse/relay, 1 Modbus
	412	4 pulse/relay, 1 Modbus, 2 analog
	610	6 pulse/relay, 1 Modbus
	612	6 pulse/relay, 1 Modbus, 2 analog
F	**Analog Output Range**	
	0	No output
	1	0-20 mA, 10V compliance, user configurable as 4-20 mA (3 channels max)
	2	0-1 mA, 10V compliance
	3	-1/0/+1 mA, 10V compliance
	4	0-5 mA, 10V compliance
	6	0-10 mA, 10V compliance