

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.

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

1560 ▶



ORDERING INFORMATION

To Order: Insert Code for Each Letter to Select Catalog Number.

Example INT-1563-M-5-M-013-1

INT- - - - - -

| 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 |