



INTEGRA 2270

DIGITAL METERING SYSTEM

KEY FEATURES

- Signal conditioning
- Full colour touch screen display
- Inputs and output
- Easy installation

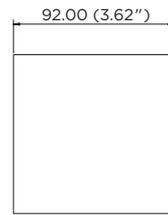
TE Connectivity's (TE) Crompton Instruments Integra 2270 is a Digital Metering System (DMS) measurement, isolation and conversion of all main electrical parameters and can be used in single-phase and three-phase three-wire unbalanced, four-wire balanced and unbalanced systems. RS485 Modbus™ RTU communications protocol, pulse/alarm outputs and inputs are fitted as standard.

Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.

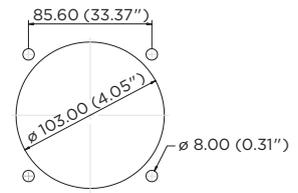
INTEGRA 2270



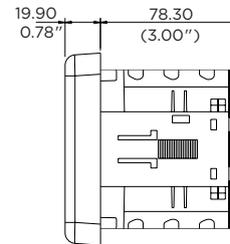
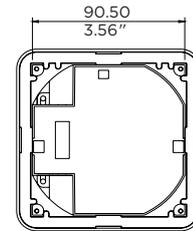
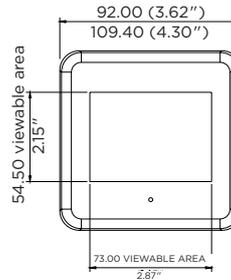
PRODUCT CODES	
Part number	Description
INT-2270-M-01	Integra 2270
INT-2170-M-01	Integra 2170



DIN CUTOUT



ANSI CUTOUT



Dimensions

- 100 x 70 x 118mm
- 3.94" x 3.11" x 4.65"
- Weight 0.42kg
- 92mm square DIN cut-out
- ANSI C39.1, 4" round

SPECIFICATION	
Input	
Nominal input voltage	57.7V - 346V AC L-N (100 -600V L-L) 720V MAX
Max. continuous input overload voltage	120% of nominal
Max. continuous input overload voltage	2 x nominal voltage for 1 second
Nominal input voltage burden	<0.5VA per phase
Nominal input current	1A AC or 5A AC RMS
Nom. Input current burden	<0.1VA
Max. continuous input overload current	120% of nominal
Max. continuous input overload current	20 x nominal current for 1 second
Auxiliary	
Operating range	110-250V AC/DC (+/- 20%) 45-66Hz (88-300V AC absolute limit)
Supply burden	10VA
Accuracy	
Voltage (V):	0.18% of reading + 0.02% nominal
Current (A):	0.18% of reading + 0.02% nominal
Neutral current calculated (A):	< 1.0%
Frequency (Hz):	< 0.1 Hz
Power factor (PF):	± 1% of unity
Active power (W):	± 0.25% of reading (at unity power factor)
Reactive power (VAR):	± 0.25% of reading (at unity power factor)
Apparent power (VA):	± 0.25% of reading (at unity power factor)
Active energy (kWh):	Class 0.2S (IEC 62053-22)
Reactive energy (kVarh):	Class 0.5S (IEC 62053-23)
THD:	1%
Range	
Voltage (V)	20% to 120% of nominal
Current (A)	1% to 120% of nominal
Frequency:	45-66 Hz
Power factor:	1 .. 0 lead or lag, 4 quadrant
Active power:	5 to 144% of nominal
Demand interval:	8, 10, 15, 20, 30, 60
THD:	up to 63rd harmonic
Energy	8 digit displayed in Wh, kWh, MWh (Maximum 9,999,999.9 MWh before rollover to 0.0)

SPECIFICATION	
Environment	
Operating temperature	-20°C to +60°C
Storage temperature	-30°C to +80°C
Relative humidity	0-95% non-condensing
Shock	30g in 3 planes to IEC60068-2-6, 2g
Vibration	10Hz to 50Hz, IEC 60068-2-6, 2g
Dielectric voltage	Withstand test 2.5kV, 50Hz for 1 minute between auxiliary/input/output
IP protection (IEC 60529)	IP 52 front display IP 30 product
Altitude	Up to 2000m
Installation category	CAT III
Protection class	II
Input waveform	Sinusoidal (distortion factor < 0.005)
Magnetic field of external origin	Terrestrial flux
Max wire gauge (input voltage, supply, I/O)	AWG 12/2.5mm ²
Max wire gauge (current pass through)	0.177"/4.5mm

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