



## Crompton Integra 1221- Summary Sheet

### Summary

The Integra 1221 from Crompton Instruments is a powerful electricity system analyser. It is built with all of the tools that you will need to understand the performance of your electrical network and communicate with the IT infrastructure employed. The display is high definition and provides innovative 'petal' array icons to illustrate the percentage of the maximum for various parameters.

This meter displays a wealth of electrical parameters, including Total Harmonic Distortion (THD) for Amps and Volts. Line and System data is readily available for all of the basic electrical data. A feature unique to this meter is that it will display individual Phase Energy (kWh), as well as Reactive Energy (kVAh), Active Power (kW), Reactive Power (kVAR), Apparent Power (kVA) and Power Factor (PF).

This meter features an RJ12 connection which allows one plug in cable to connect to the CT block which reduces installation time. For multi meter applications this meter incorporates the Q2C wiring solution; pre-cut quick connect looms are used to share the reference voltage to each meter on the site.

In addition, the meter comes with a Modbus RS485 RTU output and 2 programmable (frequency and pulse length) pulsed outputs initially configured for Active Energy (kWh) and Reactive Energy (kVAh).

N.B. This meter can be pre-wired into an enclosure. [Click here](#) to see our full range of Enclosures, or [click here](#) to find out more about our Pre-Wiring Service.

### Product Code

**Meter Type**  
**Fitting Type**  
**Max Current (Amps)**  
**MID Approved**  
**Smart**  
**Input Type**  
**Output Type**  
**Tariffs**  
**Import / Export**  
**Availability**  
**Condition**  
**Brand**  
**Country of Manufacture**

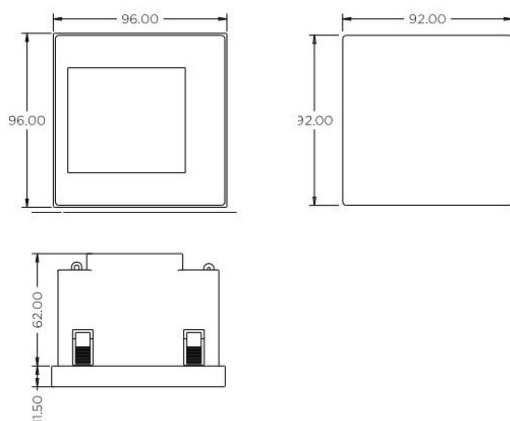
**TPN1221**

**Three Phase**  
**Panel Mounted**  
**5**  
**No**  
**No**  
**Current Transformer**  
**RS485 Modbus & Pulse Single**  
**Import & Export**  
**5 Day**  
**New**  
**Crompton Instruments**  
**China**

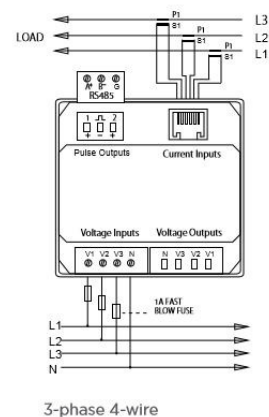
### Measured Parameters

Active Energy (kWh)	✓	Line Power Factor (PF)	✓
Active Power (W)	✓	Line Reactive Power (kVAR)	✓
Apparent Energy (kVAh)	✓	Line to Line Voltage (V)	✓
Apparent Power (VA)	✓	Line to Neutral Voltage (V)	✓
Average Current (I)	✓	Maximum Current (I)	✓
Average Power Demands (W)	✓	Maximum Power Demands (W)	✓
Average Voltage (V)	✓	Maximum Voltage (V)	✓
Current (I)	✓	Power Factor (PF)	✓
Current in Neutral (I)	✗	Reactive Energy (kVAh)	✓
Frequency (Hz)	✓	Reactive Power (VAR)	✓
Hours Run (hr)	✓	Total Harmonic Distortion (Amps)	✓
Line Active Power (W)	✓	Total Harmonic Distortion (Volts)	✓
Line Apparent Power (kVA)	✓	Voltage (V)	✓
Line Current (I)	✓		

### Dimensions



### Wiring Diagram



**Web: [www.spwales.com](http://www.spwales.com) | Email: [sales@spwales.com](mailto:sales@spwales.com) | Phone: 01803 295430 | Fax: 01803 212819**

While Stephen P Wales Ltd has made every reasonable effort to ensure the accuracy of this information, Stephen P Wales Ltd does not guarantee that it is error-free, nor does Stephen P Wales Ltd make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. Stephen P Wales Ltd reserves the right to make any adjustments to the information contained herein at any time without notice.