



Crompton Integra Ri3 - Summary Sheet

Summary

The Ri3 is a great value 4 module wide, DIN Rail mountable, CT operated electricity meter from Crompton Instruments. This meter has been designed to be used for both 3 phase and single phase supplies. It also comes with a phase sequence test option for checking correct installation of CTs.

A significant feature of this unit is the reset function which will restart all Energy (kWh) and Reactive Energy (kVAh) readings from 0 following password entry.

The back lit LCD display presents Import & Export Energy (kWh), Import and Export Reactive Energy (kVAh), Power (kW), Reactive Power (kVAr) and Apparant Power (kVA). System Power Factor (PF) and Frequency (Hz) are also measured.

This unit displays Line to Line and Line to Neutral Voltage (V) as well as Line to Line and Line to Neutral Current (I). Total Harmonic Distortion is presented up to the 31st Harmonic for Line to Neutral Voltage, Line to Line Voltage and Line Current.

In addition, the Ri3 records a number of peak values, these are Line Current (I), Neutral Current (I) and Active Power (kW).

The Ri3 comes with an integrated RS485 Modbus and a semi programmable pulse output.

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

Product Code

TPDCRRI3

Meter Type

Three Phase

Fitting Type

DIN Rail

Max Current (Amps)

5

MID Approved

No

Smart

No

Input Type

Current Transformer

Output Type

RS485 Modbus & Pulse

Tariffs

Single

Import / Export

Import & Export

Module Width

4

Availability

Next Day

Condition

New

Brand

Crompton

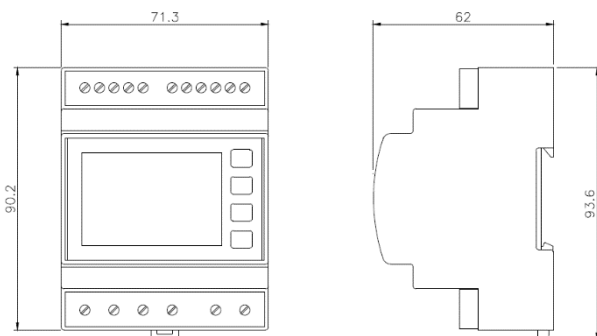
Country of Manufacture

UK

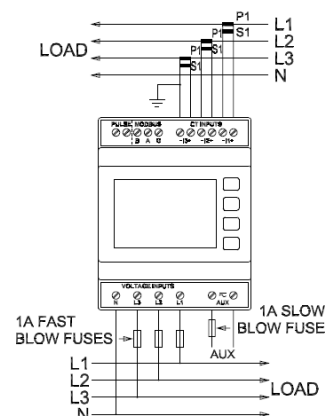
Measured Parameters

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



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