



Crompton Integra DL1 - Summary Sheet

Summary

The DL1 is a cost effective Dual Load metering solution from Crompton Instruments which has been designed for quick and easy installation and manufactured in the UK. This 4 module wide, DIN Rail mountable electricity meter monitors 2 x 3-phase supplies (e.g. power and lighting circuits) in 1 compact unit.

This meter is connected to the power supply by 3 in 1 current transformers. These CTs are connected to the meter via an RJ12 cable for fast installation.

For each of the two circuits the DL1 measures Energy (kWh), average system Voltage (V), Current (I) and Power (kW), Line Current (I), and Line Power (kW). For the System as a total (Load 1 + Load 2) the DL1 measures Energy (kWh), Power (kW), Frequency (Hz) Power Factor (PF), Line Current (I), Line Voltage (V), average system Volts (V) and Current (I).

The DL1 comes with an integrated RS485 Modbus 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

Meter Type

Fitting Type

Max Current (Amps)

MID Approved

Smart

Input Type

Output Type

Tariffs

Import / Export

Module Width

Availability

Condition

Brand

Country of Manufacture

TPNDL1

Three Phase

DIN Rail

0.1

No

No

Current Transformer

RS485 Modbus

Single

Import Only

4

Next Day

New

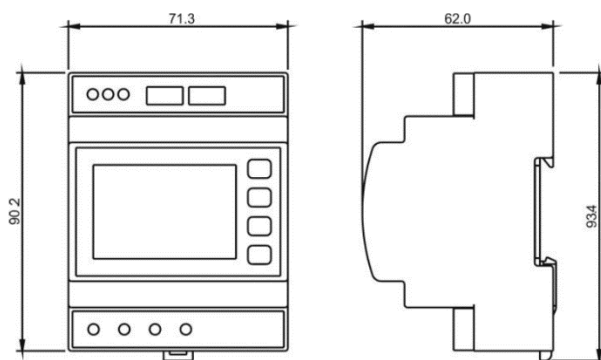
Crompton

UK

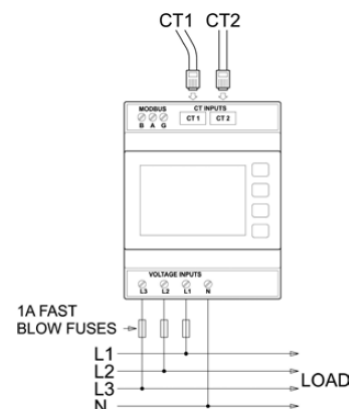
Measured Parameters

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 (kVArh)	✗
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 | Email: sales@spwales.com | Phone: 01803 295430 | Fax: 01803 212819

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