



Iskra MT174-T1 - Summary Sheet

This Iskra MT174-T1 is a CT-operated three-phase meter manufactured by Iskra, one of Europe's largest electric meter manufacturers. This class B, (accurate to within 1%), surface mounted meter is MID approved making it suitable for billing applications and includes two configurable pulse outputs and an RS485 connection. While typically used in three phase four wire installations, it can also be used on both single and two phase supplies. It also logs recorded data internally so in the event of a fault, such as a screen failure, readings can still be retrieved.

We configure the auto scroll display, (viewable without having to press any buttons), on the MT174 for different applications as listed below. This ensures the key information required is available without having to check instructions, press buttons etc. A recent addition to this list is a "Net" energy reading which is a common requirement for many renewable applications such as battery storage.

Specification

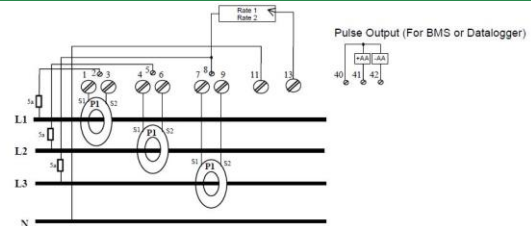
Meter Type	Three Phase
Fitting Type	Surface Mount
Max. Current	6A
MID Approved	Yes
Smart	No
Input Type	CT Operated
Output Type	Pulse & RS485
Tariffs	Single / Dual / Multiple *
Import / Export	Import / Import & Export *
Availability	Next Day

* Dependant on model selected

Model Variants

TPWISCTR	Reading	Displays Energy (kWh) Consumed
TPWISCTD	Dual Tariff	Displays Energy (kWh) Consumed on Tariff 1, Tariff 2 & Total
TPWISCTI	Import & Export	Displays Imported & Exported Energy (kWh)
TPWISCTB	Billing	Records Energy (kWh) consumed on the 1st of each month at 0:00 over a period of 9 months
TPWISCTM	Multi-Function	Displays the most common electrical parameters for network analysis
TPWISCTN	Net Reading	Displays Net Energy reading, (Imp. less Exp.) as well as Imported & Exported Energy (kWh)

Wiring Diagram

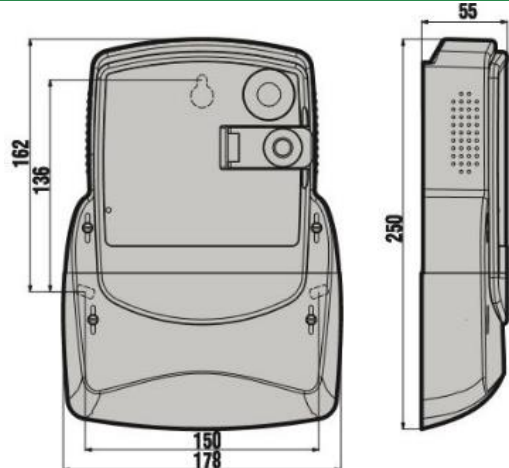


Measured Parameters

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) *	✓		

* These parameters can be pre-programmed on to the meter as an optional extra.

Dimensions



Web: www.spwales.com | Email: sales@spwales.com | Phone: 01803 295430 | Fax: 01803 212819

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