



### Iskra MT174-D2 - Summary Sheet

This Iskra MT174-D2 is a 120A direct connect three phase meter manufactured by Iskra, one of Europe’s largest electric meter manufacturer’s. This class B, (accurate to within 1%), surface mounted meter is MID approved making it suitable for billing applications and includes two 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.

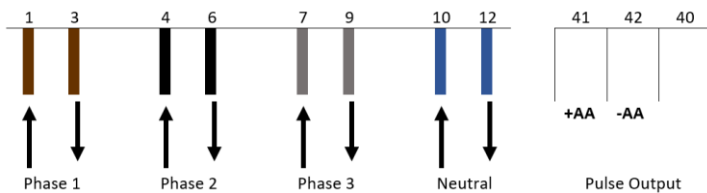
#### Specification Model Variants

Meter Type	Three Phase
Fitting Type	Surface Mount
Max. Current (Amps)	120A
MID Approved	Yes
Smart	No
Input Type	Direct Connect
Output Type	Pulse & RS485
Tariffs	Single / Dual / Multiple *
Import / Export	Import / Import & Export *
Availability	Next Day

\* Dependant on model selected

TPWISR	Reading	Displays Energy (kWh) Consumed
TPWISD	Dual Tariff	Displays Energy (kWh) Consumed on Tariff 1, Tariff 2 & Total
TPWISI	Import & Export	Displays Imported & Exported Energy (kWh)
TPWISB	Billing	Records Energy (kWh) consumed on the 1st of each month at 0:00 over a period of 9 months
TPWISM	Multi-Function	Displays the most common electrical parameters for network analysis
TPWISMD	Maximum Demand	Records the maximum Power (W) demand within a set time period
TPWISP	Pulse Output	Both the pulse length and duration can be configured to suit

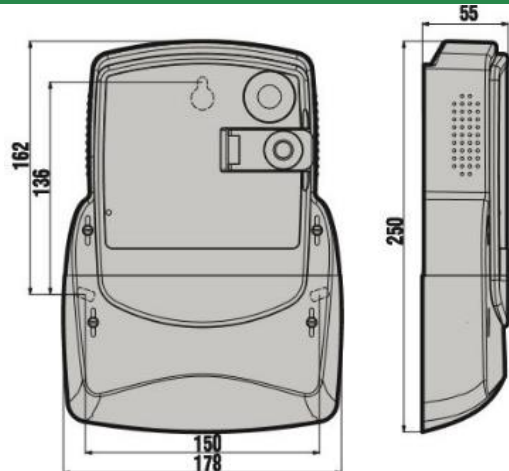
#### Wiring Diagram



#### Measured Parameters Dimensions

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) *	✓		

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



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

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