

# Elster A1140

## Three phase electricity meter

The Elster A1140 is a three phase electricity meter supplied in either whole current or CT enabled versions.

Two-way communications enable different registers to be collected from the meter. Energy data is transmitted via direct connection to the Orsis LDC via RF (radio frequency) for data verification for suppliers and data collectors/aggregators and integration into third party aM&T systems. The meter can also be used for three-phase solar PV installations.

The data gathered can be analysed on Orsis Energize by the end user to understand energy consumption levels and manage their fiscal and environmental costs. The Elster A1140 is suitable for measuring both generation and exported data from solar PV systems. Meter readings can be submitted for feed-in tariff collection.



## Features

- ✓ MID Approved
- ✓ Internal clock and calendar with battery backup
- ✓ Comprehensive tariff structure
- ✓ Comprehensive security data
- ✓ Modular design to allow future upgrades
- ✓ Display of external meter information
- ✓ Large digit (9.8mm register digits) Liquid Crystal Display
- ✓ DIN (BS) double insulated, glass filled polycarbonate case
- ✓ Whole current or CT operated

# Ready to get started?

Start your journey today

## Orsis

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Technical Information	
kWh Class 1 or 2 (EN 62063-21) Wh Class A or B (EC Directive)	CT Programming
2004/22/EC [MID] kVAh Class 2 or 3	Phase failure A, B, C
15 years calibration	Power Fail
IP53 in accordance with IEC 60529:1989	Reverse Run Energy
IEC 62056-21 optical communications	Per Phase Reverse Run A, B, C
8 time-of-use (TOU) Registers	Billing Count
4 Maximum Demand Registers	Terminal Cover Removal
48 Switching Times	Remaining Battery Life
12 Seasons	In Service Hours
24 Change of Season Dates	Active Scheme CRC
32 Exclusion Dates	Scheme ID
13 End of Billing Dates	Error Flag
Independent Day Control	Main Cover Removal
Daylight Saving	Watchdog Count
Deferred Tariff	Optional extended tails cover
Tariff Scheme CRC	Dimensions 218mm (H) x 173mm (W) x 50mm (D)
Programming (with user id)	Weight 1500 grams

The meter offers extensive security logs which include programming and user IDs.

Further security can be provided as an option with terminal cover and main cover removal detection. As an alternative, the latter detection switch can be used to allow the CT ratio to be changed.

A count of the number of each event is recorded. A time and date stamp of the three most recent events together with the source is recorded. The count, time and date of the most recent event can be included in the display sequence.