

# Elster A1140 Three Phase GPRS Smart Meter



The Elster A1140 3-phase meter is available as a CT or Direct Connect version

The Elster A1140 three phase meter is a 'smart-ready' three-phase 4-wire meter designed for monitoring import and export energy flow and for monitoring energy generation.

The ASLH308 GPRS modem with SIM can be connected to the meter for automatic meter reading on the **Openmetrics** web portal. This connects to the RJ11 serial socket under the terminal cover.

The A1140 is available as a **current transformer** operated or **whole current** version (max 100 Amp).

## Features

- ✓ Fully MID/OFGEM/MCS approved
- ✓ High accuracy meter measures active import and export
- ✓ Pulse output terminals for BMS integration
- ✓ Serial connection for communications module
- ✓ GPRS signal strength shown on display
- ✓ Large clear display showing meter readings
- ✓ Compact design with optional long or short terminal covers.

**OpenMetrics** web monitoring is enabled by using the ASLH308 GPRS modem with SIM card

GPRS modems can be retrofitted to the meter after installation to turn this smart-ready three phase meter into a fully functional AMR meter for day+1 meter readings with half-hour profiling on the **OpenMetrics** web service.

LED Indicators on the GPRS modem show the communications status so the installer can ensure the meter is communicating with the OpenMetrics service.

The ASLH308 modem comes with a network roaming SIM card.



An external antenna booster can be connected to the SMA connection on the module.

Comes with multi-network roaming data SIM card

## Technical Data

<b>Electrical</b>	Voltage	Nominal voltage	220V - 240V
	Frequency	Nominal frequency Frequency variation	50Hz or 60Hz + - 5%
	Current	Maximum (Direct connect) Maximum (CT Op)	20 - 100A 5 - 10A (Class 0.5s CT Op Version only)
	Accuracy	Active/Reactive energy	Class 0.5s, 1 or 2 Class A, B or C EN 62053 - 21/22kWh

Meets the essential requirements of the Measuring Instruments Directive (MID) 2004/22/EC.

<b>Environmental</b>	Temperature range	-25'C to +55'C
	Ingress protection	IP53, IEC 60529 : 1989

Meters are intended for installation in a class E2 electromagnetic environment and Class M1 Mechanical Environment according to 2004/22/EC Directive.

<b>Physical</b>	Main terminal size	8.2mm diameter with 2 M6 pinch screw
	Terminal Construction	Solid brass double screw clamp
<b>Overall dimensions</b>	Including module	233H x 172W x 49D



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