

# Elster A1140 Three Phase Smart Meter

The Elster A1140 comes in 2 variants, a direct connect or current transformer version.

## Overview

The Elster A1140 three phase meter is a modular 'smart-ready' meter for standard 3 phase import/export metering or can be used for generation metering. For automatic meter reading a GPRS modem can be fitted to the meter. This connects to a socket located under the terminal cover.

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

## Features

- Fully MID/OFGEM/MCS approved
- Measures Import and Export energy flow and instantaneous power quality information
- Pulse output terminals for BMS integration
- Serial connection for communications module
- GSM signal strength shown on display
- Display automatically scrolls meter data and readings, time date etc.
- Compact design with optional long or short terminal covers.

This versatile three phase meter can be installed as a basic three phase meter or fitted with a GPRS modem for standalone automatic meter reading.

The ASLH308 GPRS modem has LED indicators which show the installer the status of its communications link. The meter's display will also show the signal strength so that the installer can be confident of a robust communications link before leaving site.

Using the online installer tool **Auto-registration** you can also check a remote web portal to ensure the meter has established communication with the remote data



## Communications

The Elster A1140 meter serves as the base for the ASLH308 GPRS modem. This is compatible with Intelligent Telemetry online meter reading service and our full suite of data collection software. Network roaming SIMs are used to provide a versatile and robust communication solutions.

- External GSM antennas connection for signal boosting in poor GSM signal areas.
- Compatible with network resilient SIM
- Simple installation procedure
- GSM status lights
- Hot-swappable module

The SIM card and modem can be hot swapped.

# 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 – 21/22 kWh

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 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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ASLH308 modem for A1140 meter

**CALL US TODAY FOR A QUOTATION OR FOR MORE INFORMATION**

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