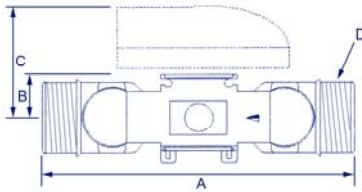


KENT (ELSTER) ENERGY METERS



F90S

COMPACT ENERGY/HEAT METER



Part No. F90S

COMPACT SINGLE JET METER FOR HEATING & COOLING

The Elster Kent F90S is a single jet meter suitable for installation in horizontal, vertical and inclined positions. The compact size of the meters makes it ideal for tight space installations.

These meter consist of a flow sensor with built in return temperature sensor, a supply temperature sensor with 1.5m cable & a detachable calculator which can be mounted on a wall or panel. Energy calculation is based on measured volume and measured temperature difference's between the supply and return temperature sensors.

Features & Benefits

- Accuracy class C
- Battery powered (6 year life) LCD display calculator.
- As standard meters are fitted in return pipe-work, optionally can be fitted on supply.
- Optional Pulse & M-Bus output available.

Specifications

Pressure range:-
Up to 16 bar.

Temperature Range:-

Calculator

Ambient:- 5°C to 55°C

Flow Sensor

Up to 90°C

Measuring Range

1°C to 130°C

Temperature Sensors:-

2 Wire system

Pt500

Direct immersion

45mm length x 5.2mm diameter

M10x1 connection

1.5m cable length*

* optional 3m length available

F90S SPECIFICATIONS	Qp	0.6	1.5	2.5
MAX CONTINUOUS FLOW RATE Qp	l/h	600	1500	2500
MIN CONTINUOUS FLOW RATE (horizontal)	l/h	3.5	7	10
MIN CONTINUOUS FLOW RATE (vertical)	l/h	4	7	10
PRESSURE DROP AT Qp	mbar	160	196	165

Qp	A	B	C	D
0.6	110	52.4	77.6	1/2 BSP
1.5	110	52.4	77.6	1/2 BSP
2.5	130	52.4	77.6	3/4 BSP

Power Supply

3v DC Lithium battery - 6 years life

LCD Information Display (8-digits)

In addition to accumulated energy, other data values are accessible, below is just a few of the many. Contact sales for full list.

- Momentary power
- Momentary flow
- Flow temperature
- Return temperature
- Temperature difference

Calculator

Fixed on to flow meter

Temperature measuring range: t 1 to 130°C

Temp difference measuring range: Δt 3 to 100K

Temp difference measuring range: Δt 3 to 50K H/C

Additional Options

M-Bus data output

M-Bus with two pulse inputs

Pulse output (Energy 1KWh/pulse)

Cooling meter

Combined heating/cooling meter

Ball valves with temp sensor entry points (1/2" & 3/4")