



Itron CF Echo II

This heat meter, when used with the sub-assemblies and configured as detailed below, has been independently verified by Kiwa as suitably compliant with the Measuring Instruments Directive for the purposes of claiming the Renewable Heat Incentive.

Manufacturer:

Itron

MID Class:

2

Location of flow sensor

Flow or return

Heat conveying liquid

Water

Minimum pipe size

15mm

Maximum pipe size

50mm

Contact Information

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Meter Subassemblies

Part number	Pipe size	Max flow rate q_s (m ³ /h)	Nominal flow rate q_p (m ³ /h)	Min flow rate q_i (m ³ /h)	Max temp θ_{max} (°C)	Min temp θ_{min} (°C)	Min temp diff $\Delta\theta_{max}$ (°C)
CF Echo 15mm Qp0.6	15 mm	1.2	0.6	0.006	180	0	3
CF Echo 20mm Qp0.6	20 mm	1.2	0.6	0.006	180	0	3
CF Echo 15mm Qp1.5	15 mm	3	1.5	0.01	180	0	3
CF Echo 20mm Qp1.5	20 mm	3	1.5	0.01	180	0	3
CF Echo 20mm Qp2.5	20 mm	5	2.5	0.02	180	0	3
CF Echo 25mm Qp2.5	25 mm	5	2.5	0.02	180	0	3
CF Echo 25mm Qp3.5	25 mm	7	3.5	0.03	180	0	3
CF Echo 40mm Qp3.5	40 mm	7	3.5	0.03	180	0	3



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CF Echo 25mm Qp6.0	25 mm	12	6	0.06	180	0	3
CF Echo 32mm Qp6.0	32 mm	12	6	0.06	180	0	3
CF Echo 40mm Qp6.0	40 mm	12	6	0.06	180	0	3
CF Echo 50mm Qp6.0	50 mm	12	6	0.06	180	0	3
CF Echo 40mm Qp10	40 mm	20	10	0.1	180	0	3
CF Echo 50mm Qp10	50 mm	20	10	0.1	180	0	3
CF Echo 50mm Qp15	50 mm	30	15	0.1	180	0	3

Additional Notes

The CF Echo II is a complete Ultrasonic Heat Meter consisting of -
Flow meter, calculator and temperature sensors.

Customer to define some options at point of ordering -
Meter used in Heat, Cooling or Heat & Cooling with positioning in either
the return or supply (flow) pipe work.

Temperature sensor type Pt100 or Pt500.

Power supply type - battery or mains 230vac.

A number of "Plug & Play" option cards are available to allow communication
M-Bus, GPRS M-Bus master, RS232, energy/volume pulsed output, LON,
radio RF and water meter pulsed input.