

ETDA20 - 20mm HOT WATER totaliser flowmeter with optional pulse output

FEATURES

- Temperature operation to 120°C.
- Accuracy $\pm 2\%$.
- Optional 1 Litre/pulse output.
- Easy read mechanical totaliser.
- Single-jet impeller measurement.
- Passes small solids without jamming.
- Low headlosses ideal for gravitational flows.
- Operates upto 16 bar pressure.
- Screwed ends with couplings.



The ETDA20 20mm single-jet totaliser water meter operate on the velocity principle, where water enters the flowmeter and drives the inner rotor. ETDA20 meters measure from low flowrates. The pulse output unit (contact closure via 1m lead) allows use as a resetable flowmeter when connected to a ManuFlo ME5, ME7 or other reset counter, or as batching system when connected to ManuFlo ME995 series batch controllers.

The meter has a totaliser mechanism displayed in m^3 , which can be rotated to suit a preferred viewing angle. A clock dial further indicates down to 0.0001 m^3 increments. Meters are also available as a simple mechanical totaliser only. Ideal for hot water tanks and other applications where liquid measurement exceeds 100°C, and will operate upto a maximum 120°C. The register is waterproof and vacuum-sealed to avoid condensation. The meters are pre-calibrated for horizontal positions, but can be installed in any position. A pair of brass coupling connectors are supplied, each ending in a 20mm ($\frac{3}{4}$ ") BSP(m) connection.

SPECIFICATIONS

Model Number		ETDA20
Size (mm)		20
Pulse output rate	Litres/pulse	1
Mechanical register	m^3 minimum	0.0001
Minimum flow	$Q_m \pm 5\%$ Litres/minute	1.66
Transitional flow	$Q_t \pm 2\%$ Litres/minute	3.33
Nominal flow	$Q_n \pm 2\%$ Litres/minute	41.6
Maximum flow	$Q_s \pm 2\%$ Litres/minute	83.3
Weight	Kg	1.0

Flowrate to Class-B specs horizontal position.

Headloss @ $Q_s < 1\text{bar}$, Headloss @ $Q_n < 0.25\text{bar}$. Maximum totaliser 15mm = 99,999.9 m^3 .

Reed switch pulse contact closure $V_{max}: 24V$, $I_{max}: 100mA$. Cable: 2-core termination, 1.5m length.

DIMENSIONS (mm)

Model No:	ETDA20
Length	130
Height - with cable	120
Height - mechanical only	90
Width	80

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