

S100 - 15mm & 20mm single-jet totaliser flowmeters with optional pulse output

FEATURES

- Easy read totaliser.
- Compact light-weight design.
- Readout can be swiveled to any position.
- Single-jet impeller measurement.
- Optional pulse output.
- Accuracy $\pm 2\%$, temperature to 90°C .
- Passes small solids without jamming.
- Low headlosses - ideal for gravitational flows.
- Screwed ends with couplings.



The S100 15 and 20mm single-jet totaliser water meters operate on the velocity principle, where water enters the flowmeter and drives the inner rotor. The meter has a very easy-to-read totaliser mechanism displaying down to one Litre. A clock dial further indicates in 0.05 Litre increments. Ideal for hot water tanks and other applications where compactness and weight are installation issues.

S100 meters (15mm only) are optionally available with a volt-free Reed Switch pulse output (1 pulse = 10 Litres) with a 1-metre lead incorporated with the mechanical counter register. 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.

SPECIFICATIONS

| Model Number | | S100-15 | S100-15-P | S100-20 |
|---------------------|----------------------------|---------|-----------|---------|
| Size (mm) | | 15 | 15 | 20 |
| Pulse output rate | Litres/pulse | N/A | 10 Litres | N/A |
| Mechanical register | Litres minimum | 0.1 | 0.1 | 0.1 |
| Minimum flow | Qm $\pm 5\%$ Litres/minute | 0.5 | 0.5 | 0.83 |
| Transitional flow | Qt $\pm 2\%$ Litres/minute | 2 | 2 | 3.3 |
| Nominal flow | Qn $\pm 2\%$ Litres/minute | 25 | 25 | 42 |
| Maximum flow | Qs $\pm 2\%$ Litres/minute | 50 | 50 | 83 |
| Weight | kg | 0.4 | 0.4 | 0.5 |

Flowrate to Class-B specs horizontal position. For rising and vertical runs Qm = 1 Litre/minute, Qt = 2 Litres/minute. Headloss @ Qs < 1bar, Headloss @ Qn < 0.25bar. Maximum totaliser: 15mm = 9,999.999 m³. Conforms to ISO DIS 10385. Reed Switch pulse (option) Vmax: 24V, Imax: 200mA, Pmax: 4W. Cable 2-core termination.

DIMENSIONS (mm)

| Model No: | All models |
|-----------|------------|
| Length L1 | 80 |
| Length L2 | 40 |
| Height H1 | 73 |
| Width | 70 |

ORDER CODES

| Order Code | Description |
|------------|---|
| S100-15 | 15mm mechanical only |
| S100-15-P | 15mm mechanical & pulse output (1 pulse / 10 Litres) |
| S100-20 | 20mm mechanical only |
| CVR-S100 | Optional cover for the readout (fits all meter sizes) |

