

Clamp-on Small Pipe Ultrasonic Flowmeter TF1100-CC



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Features:

- High accuracy as 2.0%.
- Clamp-on installation: no process interruption required.
- No moving parts, excellent long-term stability and reliability.
- Suitable for DN6 – DN100 (OD 9 – 115) pipeline sizes.
- 4–20mA, OCT, Relay and RS485 Modbus outputs for your selection.
- Flow velocity covers a wide range of 0.1 m/s to 5.0 m/s.
- Optional for thermal energy measurement capability.
- Capable of storing day/month/year historical data for 10 years.

Specification:

Pipe size	DN6–DN100 (OD9–OD115)
Accuracy	± 2.0% (± 0.5m/s ~ 5.0m/s)
Flow velocity range	0.1m/s ~ 5m/s
Repeatability	0.8%
Response time	500ms
Analog output	4–20mA; Max. load: 600 Ω
Alarm output	OCT output: alarm value; Total pulse (option)
Communication	RS485 (Support Modbus communication protocol)
Power supply	24VDC @3W
Cable length	Standard: 2m, extend up to 20m
Keypad	4 light touch buttons
Display	1.3" OLED 128*64 display; Refresh rate: 3.3Hz. (180 degree rotation for easy reading)
Units	Metric and imperial units are available, Cubic Meters (m³), Liters(L), USA Gallons (Gal), / hour, /min. default unit setting: m³/h
Totalizer	7–bit digit
Historical data	Day/month/year totalizer, data can be saved for 10 years without loss
Liquid	Water, seawater, oil, chemical, ...
Pipe material	Stainless steel, carbon steel, copper, plastic, ...
Case material	Aluminum alloy
Environment temp.	–10 °C ~ 50 °C
Liquid temp.	–10 °C ~ 50 °C
Environment humidity	0–95% relative humidity, without condensation
Viscosity	< 300 CST (mm²/s)
Protection class	IP54/IP65

Application:

