

FLOWMETER ULTRASONIC TDS

for installation into the pipe
DN 15-6000mm



DESCRIPTION:

- TDS-100H - hand held, DN 15-6000 mm
 - TDS-100P - portable, DN 15-6000 mm
- TDS-100F1 - wall mount, DN 15-6000 mm
 - TDS-100M - modular, DN 15-6000 mm

APPLICATION:

- petrochemical industry
 - chemical industry
 - food industry
 - metallurgy
- water management

TECHNICAL PARAMETERS:

- accuracy: <1% (100H, 100P, 100F1)
- power supply: 90~230VAC (100H), 220VAC or 110VAC (100P), 85~264VAC or 24VDC (100F1), 8~36VDC (100M)
- interface: RS 232 or OCT output (100H), RS 485 (100P)
 - output: 4-20mA
- IP65 (100F1), IP57 (100M)

SPECIFICATION:

Ultrasonic flowmeters TDS series are working on principle of two ultrasonic transducers fixed on the outer surface of the steel pipe (or any other conductive material). The advantage of this measurement is that the transducers are not in contact with the medium.

It is to choose a pulse or analog output signal (4...20mA). In case of lack of power or air is alarm activated and can be set via a rotary switch with 16 adjustable values. Installation in any position.

| Type | | Measuring range | Temperature |
|------------|------------|-----------------|-------------|
| TDS -100H | hand held | DN15- 6000mm | 0-160°C |
| TDS -100P | portable | DN15- 6000mm | 0-160°C |
| TDS -100F1 | wall mount | DN15- 6000mm | 0-160°C |
| TDS -100M | modular | DN15- 6000mm | 0-160°C |

TDS -100H



TDS -100P








TDS-100F1



TDS - 100M



| | | Type | Measuring range |
|----------------------------|---|------|-----------------|
| Sensor |  | S2 | DN15 - 100mm |
| Sensor |  | M2 | DN50 - 700mm |
| Sensor |  | L2 | DN300 - 6000mm |
| Sensor |  | HS | DN15 - 100mm |
| Sensor |  | HM | DN50 - 700mm |
| Shielded transducer cables | | | SEYV75 - 2 |