

Time Differential System Flow Meter

Model TDS-100



TDS-100 Basic Model (NN)



TDS-100 IIoT Model (WF)



Clam Shell Mounting Transducers
(1" - 4" Pipes)



Small Transducers
(1" - 4" pipe)



Band Mounting Transducers
(2" - 30" Pipes)



Medium Transducers
(6" - 30" pipe)

"If you can't measure it, you can't control or manage it!"

INTRODUCTION:

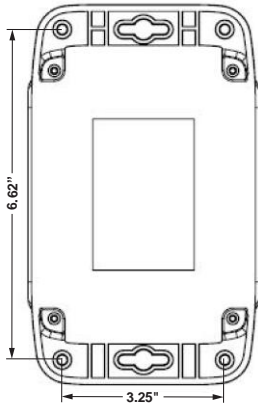
The **TDS-100** Time Differential Ultra Sonic Flow Meter is an economical, easy to install flow meter to measure our most valuable resource, clean water! The TDS-100 is delivered as a completely assembled product ready to install immediately. The clam shell mounting unit is pre-configured based on customer pipe & process data provided at time of order. The band mounting unit requires some simple parameter configuration that only takes minutes. When finished the meter simply works. Depending on the configuration the instrument will perform anything from simply providing a 4-20 mA analog output representing the flow rate to providing data digitally streamed via MODBUS representing the flow, totals and alarm conditions. In the near future WiFi & Cellular connectivity to a 'Cloud' based data storage network that can be accessed with a Smart phone app will be available.. This low power, compact, environmentally friendly, easy to install instrument ensures reliable and dependable measurements for years.

SPECIFICATIONS:

DISPLAY: 2 lines (rate & total)
 RANGE: 1-32 Ft/Sec
 PRECISION ERROR: +/-1.0% (R)
 REPEATABILITY: +/- 0.2% (R)
 OUTPUT: 4-20mA + RS-485 MODBUS
 POWER: 12VDC (AC/DC adaptor included)

PROCESS OPERATING TEMP.: 32°F - 100°F
 AMBIENT OPERATING TEMP.: 20°F - 120°F
 PIPE MATERIAL: PVC, Copper, Steel, Stainless Steel, Aluminum, Fiberglas (others on request)
 UNITS: Gallons (US / UK); Liters; Cubic Feet; Barrels
 * NOTE: Custom settings on special request

CASE DIMENSIONS:



Standard O/P Case (NN)



IIoT O/P Case (WF)

MODEL CODE SELECTION:

IVy TDS-100 Infrastructure Meter	
CODE	CODE DESCRIPTION
TDS-100	TDS-100 Time Differential Ultra-Sonic Flow Meter
TRANSDUCER SIZE	
S	Small - 1" (25mm) to 4" (100 mm)
M	Medium - 6" (150 mm) to 24" (600 mm)
MOUNTING	
B	Band
C	Clam Shell
OUTPUT	
NN	Standard - 4-20mA / RS-485
WF	WiFi / Smart Phone App
CC	Cellular / Cloud
POWER SUPPLY	
ST	Standard Power (115VAC/DC Adaptor)
SL	Solar Power (12VDC)