

Hydrau**vision**



The HydrauTool 25V is easily portable but incorporates an advanced specification for situations which require comprehensive measurement features coupled with easy operation.

The flowmeter has two measurement channels, which allow it to monitor two pipes simultaneously or to improve accuracy in non-ideal conditions.

The HydrauTool 25V can also be supplied with a variety of options to meet the most diverse application requirements.

The non-invasive flowmeter work on the transit time ultrasonic principle. This involves sending and receiving ultrasonic pulses from pair of sensors and examining the time difference in the signal. Clamp-on transducers are used and mounted externally on the surface of the pipe and which generate pulses that pass through the pipe wall. The flowing liquid within causes time differences in the ultrasonic signals, which are then evaluated by the flowmeter to produce an accurate flow measurement.

Please contact us for the possibilities.

HydrauTool 25V Ultrasonic flowmeter

Technical Specification

Flow velocity range	: 0,01 till 25 m/s
Pipe diameter range	: 10 to 6500 mm
Resolution	: 0,25 mm/s
Accuracy volume	: +/- 1 to 3 % of measured value
Accuracy flow	: +/- 0,5% of measured value
Response time	: 1 s
Gaseous and solid content	: < 10% of volume liquid
Operational ambient temp.	: -10 till +60 °C
Dimensions portable enclosure	: 266 x 168 x 37 mm
Weight portable enclosure	: Approx. 2 kg
Protection degree	: IP 65
Power consumption	: < 5W, internal rechargeable battery pack
Power supply	: 100 to 240 VAC adapter to 9 V DC output
Temperature range sensors	: -30 till +130 °C or -30 till +250 °C
Length / material sensor cable	: 4 m / stainless steel
Dimensions transport case	: 190 x 480 x 385 mm
Weight transport case	: Approx. 9 kg (incl. equipment)

Benefits

- Portable clamp-on ultrasonic flowmeter, non-invasive.
- Dual flow monitoring with sum, average, difference and maximum calculations
- PT100 inputs for heat quantity (thermal energy) measurement
- Process output options
- Large data logger and software for sampling and data transfer
- Stainless steel sensors, cable and connectors as standard
- Suitable for various pipe dimensions and materials

Scope of Supply

Included:

- Available with crush proof IP67 transport case
- Software for evaluation and Windows operating
- Mounting clip and chains in stainless steel
- User manual and quick start
- Certification

Excluded:

- Optional pipe wall thickness gauge
- Transport and installation

Above mentioned items can be included on request.

All performance data and specifications mentioned in this document are guidelines. Due to operational and environmental influences performance data may vary. All products are subject to continuous review. Hydrauvision reserves the right to change specification without prior notice.

Revision : 00
Date : 11-10-2016

Hydrau**vision**

www.hydrauvision.com
+31 (0) 88 57 47 000

HydrauRent[®]
HYDRAULIC RENTAL EQUIPMENT