

- Handheld system for conductive and non-conductive fluids, even with the suspended material presence (<math><10\text{g/l}</math>; <math><\varnothing 1\text{mm}</math>)
- Measure range <math><0,2\text{m}^3/\text{h} \div >400000\text{m}^3/\text{h}</math>
- Accuracy: $\pm 1\%$
- Clamp on IP67 sensors also for high temperatures and sensors on metric frame
- Pipe Range DN20 \div DN4000
- Datalogger via SD card
- LCD color display
- Battery life: 48h



The flowmeters operate on the ultrasonic pulses transit time difference principle. The great advantage is the mechanical installation, because it is not necessary to cut the pipe. The sensors are simply clamped on the outer pipe surface, for this reason the pressure and the liquid aggressiveness to be measured are not a problem for the flowmeter. The system measures in a bidirectional way and is suitable for clean or slightly dirty liquids

TECHNICAL FEATURES

Pipe dimension range

DN20 \div DN4000

Transducer protection class

IP66

Display

3.5", 320x240pixel, 65536 colours

Keypad

8 keys

Handheld housing

ABS

Accuracy

$\pm 1\%$

Battery life

48 h

Charger

100 \div 240Vac

Displayed data

instantaneous flowrate; flow totalizer

Totalizer

7 digits for positive, negative and net

Data logger

SD card

Clamp-on transducers

TS-2 for 20 \div 100mm pipes (-40 \div 90°C)

TM-1 for 50 \div 700mm pipes (-40 \div 90°C)

TL-1 for 300 \div 4000mm pipes (-40 \div 90°C)

Clamp-on transducers on metric frame

HSNN for 20 \div 100mm pipes (-30 \div 90°C)

HMNN for 50 \div 300mm pipes (-30 \div 90°C)

HMEN for 300 \div 700mm pipes (-30 \div 90°C)

Clamp-on transducers for HT

TS2H for 20 \div 100mm pipes (-40 \div 160°C)

TM1H for 50 \div 700mm pipes (-40 \div 160°C)

Portable transit time ultrasonic flow meter

For conductive and non-conductive fluids . With clamp-on transducers.
 Speed range: max ± 20 m/s. Simultaneous display of flowrate and cumulative volume data
 Accuracy: not better $\pm 1\%$
 Ambient temperature: $-20^{\circ} \div 60^{\circ}\text{C}$ - Humidity $<85\%$ (RH)
 Battery life: 48 hours - Transducers connection cables: 5 mt
 Supplied with acoustic coupling gel, battery charger, accessories for transducers mounting
 (up to DN1000) and Nr.1 8GB SD card (cod.816A001A) with software for
 data acquisition on PC

Transducers	
A0--	None
TS-2	Couple of transducers for pipes from DN20 to DN100 ($-40^{\circ}\div 90^{\circ}\text{C}$) + 2 fast clamp belts (590A011A)
TS2H	Couple of high temperature transducers for pipes from DN20 to DN100 ($-40^{\circ}\div 160^{\circ}\text{C}$) + steel hose clamps (590A010A)
TM-1	Couple of transducers for pipes from DN50 to DN700 ($-40^{\circ}\div 90^{\circ}\text{C}$) + 2 ratchet belts (590A012A)
TM1H	Couple of high temperature transducers for pipes from DN50 to DN700 ($-40^{\circ}\div 160^{\circ}\text{C}$) + steel hose clamps (590A010A)
TL-1	Couple of transducers for pipes from DN300 to DN4000 ($-40^{\circ}\div 90^{\circ}\text{C}$) + 2 ratchet belts (590A012A)
HSNN	Couple of transducers on metric frame for pipes from DN20 to DN100 ($-30^{\circ}\div 90^{\circ}\text{C}$) + 2 fast clamp belts (590A011A)
HMNN	Couple of transducers on metric frame for pipes from DN50 to DN300 ($-30^{\circ}\div 90^{\circ}\text{C}$) + 2 ratchet belts (590A012A)
HMEN	Couple of transducers on metric frame for pipes from DN50 to DN700 ($-30^{\circ}\div 90^{\circ}\text{C}$) + 4 ratchet belts (590A012A)
Accessories	
A	None
D	Grease for high temperature