

SGM-200H

transit time ultrasonic flowmeter

Handheld system for conductive and non-conductive fluids, even with the suspended material presence (<10g/l; <Ø1mm)

Measure range <0.2m³/h to >400000m³/h

Accuracy: ± 1%

Clamp on IP67 sensors also for high temperatures and sensors on metric frame

Pipe Range DN20 to DN4000

Datalogger via SD card

LCD colour display

Battery life: 48h



The SGM-200H 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 to DN4000

Transducer protection class

IP66

Display

3.5", 320x240pixel, 65536 colours

Keypad

8 keys

Handheld housing

ABS

Accuracy

±1%

Battery life

48 h

Charger

100-240vAC

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 to 100mm pipes (-40 to 90°C)

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

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

Clamp-on transducers on metric frame

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

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

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

Clamp-on transducers for HT

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

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

SGM-200H 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° to 60°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° to 90°C) + 2 fast clamp belts (590A011A)
TS2H	Couple of high temperature transducers for pipes from DN20 to DN100 (-40° to 160°C) + steel hose clamps (590A010A)
TM-1	Couple of transducers for pipes from DN50 to DN700 (-40° to 90°C) + 2 ratchet belts (590A012A)
TM1H	Couple of high temperature transducers for pipes from DN50 to DN700 (-40° to 160°C) + steel hose clamps (590A010A)
TL-1	Couple of transducers for pipes from DN300 to DN4000 (-40° to 90°C) + 2 ratchet belts (590A012A)
HSNN	Couple of transducers on metric frame for pipes from DN20 to DN100 (-30° to 90°C) + 2 fast clamp belts (590A011A)
HMNN	Couple of transducers on metric frame for pipes from DN50 to DN300 (-30° to 90°C) + 2 ratchet belts (590A012A)
HMEN	Couple of transducers on metric frame for pipes from DN50 to DN700 (-30° to 90°C) + 4 ratchet belts (590A012A)
Accessories	
A	None
D	Grease for high temperature