

Minisonic II

PORTABLE



FLUIDS
LIQUIDS



PIPES UP TO
10000 MM



MODEL
STANDARD

COMPACT

- > Lightweight (< 750g)
- > Easy handling

ROBUST

- > IP 68 ABS Housing

FUNCTIONS

- > Advanced Data logger
- > Records Indexing
- > USB records upload
- > Sequencer

VERSATILITY

- > All homogeneous fluids

HIGH PERFORMANCE

- > ESC powered
- > OLED display
- > Echo, gain & signal quality visualisation
- > Autonomy > 70 hours continuous use
- > On site «Zero» calibration
- > 10 flow calculation/s



TYPICAL APPLICATIONS

Potable water

Leakages measurement, pumps flow control, inline flowmeters verification

Raw & waste water

Pumps flow control, inline flowmeters verification

Hydraulic expertise

Installations diagnostic, claims handling

Civil engineering

Installation conformity & commissioning

Climatic engineering

Network balancing

Petroleum

One-off measurement

MODEL	STANDARD
TECHNOLOGY	Transit time ultrasonic flow measurement · Continuous & two-way measurement
DEVICE TYPE	Portable
PIPE Ø	From 10 mm up to 10 000 mm
USE	Full-pipe flow rate measuring · One pipe · One chord
SENSOR COMPATIBILITY · MOUNTING	All Ultraflux probes · Mounting: / - V - N - W
PIPE MATERIAL	Large pipe material onboard database Multilayer: up to 3 homogeneous material
FLUID TYPE	Bubble free liquids · Large fluid types onboard database
INPUT / OUTPUT	1x 4-20 mA activ output 2x Logic output (Counting and/or status)
DISPLAY	Digital and graphic OLED high visibility display
SIGNAL PROCESSING	Echo Shape Control (acoustic signal optimisation)
DIAGNOSTIC	Signal echo visualisation · Gain · Quality index · Alarms
PERFORMANCES	› precision up to 0,5% › Repeatability up to 0,1% › Linéarity up to 0,1% › Time resolution: 0,1 ns › Flow calculation: 10/s › Reynolds number calculation : Flow pattern taken into account
CONFIGURATION	User friendly - Intuitive 7 Pads keyboard
CONFIGURATION MODE	› Simple · Normal · Expert › Up to 30 different configurations memory
LOGGER	› Multi-variable data-logger · 2 Go internal memory › Reccord indexing (Site description / settings / values) › USB data-logger uploading › Sampling : from 1 second to 24 hours
SEQUENCER	Programmable activation for power safety
LANGUAGES	French - English (other : pending)
MEASUREMENT UNITS	Metric / imperial
AUTONOMY	>70 hours · More using sequencer
INCLUDED ACCESSORIES	Shockproof briefcase - Connection cables · Coupling gel · Mounting accessories
ELECTRICAL INFORMATION	Li-Ion internal battery · Charging cable supplied · Auxiliary power supply cable as an option
HOUSING	ABS · 740 g · 220 x 115 x 74 mm
PROTECTION	IP 68
TEMPERATURE LIMITS	Use from -20°C to 50°C Charging from 0°C to 45°C Storage from -20°C to 50°C