

# 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

<b>MODEL</b>	STANDARD
<b>TECHNOLOGY</b>	Transit time ultrasonic flow measurement · Continuous & two-way measurement
<b>DEVICE TYPE</b>	Portable
<b>PIPE Ø</b>	From 10 mm up to 10 000 mm
<b>USE</b>	Full-pipe flow rate measuring · One pipe · One chord
<b>SENSOR COMPATIBILITY · MOUNTING</b>	All Ultraflux probes · Mounting: / - V - N - W
<b>PIPE MATERIAL</b>	Large pipe material onboard database Multilayer: up to 3 homogeneous material
<b>FLUID TYPE</b>	Bubble free liquids · Large fluid types onboard database
<b>INPUT / OUTPUT</b>	1x 4-20 mA activ output 2x Logic output (Counting and/or status)
<b>DISPLAY</b>	Digital and graphic OLED high visibility display
<b>SIGNAL PROCESSING</b>	Echo Shape Control (acoustic signal optimisation)
<b>DIAGNOSTIC</b>	Signal echo visualisation · Gain · Quality index · Alarms
<b>PERFORMANCES</b>	<ul style="list-style-type: none"> <li>&gt; precision up to 0,5%</li> <li>&gt; Repeatability up to 0,1%</li> <li>&gt; Linéarity up to 0,1%</li> <li>&gt; Time resolution: 0,1 ns</li> <li>&gt; Flow calculation: 10/s</li> <li>&gt; Reynolds number calculation : Flow pattern taken into account</li> </ul>
<b>CONFIGURATION</b>	User friendly - Intuitive 7 Pads keyboard
<b>CONFIGURATION MODE</b>	<ul style="list-style-type: none"> <li>&gt; Simple · Normal · Expert</li> <li>&gt; Up to 30 different configurations memory</li> </ul>
<b>LOGGER</b>	<ul style="list-style-type: none"> <li>&gt; Multi-variable data-logger · 2 Go internal memory</li> <li>&gt; Reccord indexing (Site description / settings / values)</li> <li>&gt; USB data-logger uploading</li> <li>&gt; Sampling : from 1 second to 24 hours</li> </ul>
<b>SEQUENCER</b>	Programmable activation for power safety
<b>LANGUAGES</b>	French - English (other : pending)
<b>MEASUREMENT UNITS</b>	Metric / imperial
<b>AUTONOMY</b>	>70 hours · More using sequencer
<b>INCLUDED ACCESSORIES</b>	Shockproof briefcase - Connection cables · Coupling gel · Mounting accessories
<b>ELECTRICAL INFORMATION</b>	Li-Ion internal battery · Charging cable supplied · Auxiliary power supply cable as an option
<b>HOUSING</b>	ABS · 740 g · 220 x 115 x 74 mm
<b>PROTECTION</b>	IP 68
<b>TEMPERATURE LIMITS</b>	Use from -20°C to 50°C Charging from 0°C to 45°C Storage from -20°C to 50°C