Minisonic II
PORTABLE

COMPACT
› Lightweight (< 750g)
› Easy handling

ROBUST
› IP 68 ABS Housing

VERSATILITY
› All homogeneous fluids

FLUIDS LIQUIDS PIPES UP TO 10000 MM MODEL STANDARD

MINSONIC II FULL PIPE

FUNCTIONS
› Advanced Data logger
› Records Indexing
› USB records upload
› Sequencer

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

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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

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## 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%
- Linearity 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
  - Record 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

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