Minisonic II

LOADED Pipe

MEASURED MEDIA
LIQUIDS GAS

PIPE DIAMETER UP TO
10000 MM

MODELS
2 PIPES or 2 CHORDS

HIGH PERFORMING

› **Two pipes flow measurement or Two chords single pipe**
› OLED graphical display
› Display of the measurement echo, gain and quality index
› Accuracy up to 0,5 % of flow reading
› Repetability up to 0,1%
› Multi-parameter data logger

RELIABLE

› On site zero point automatic calibration
› 10 flow calculation per second

COMPATIBLE

› All Ultraflux probes

TYPICAL APPLICATIONS

Drinking water
Flow measurement and metering in treatment plant processes, flow measurement on supply networks, etc...

Waste water
Flow measurement of lift stations, in network, in/outlet of sewage treatment plant...

Raw water
Flow measurement on fire-fighting installations, network supervision...

HVAC
Flow measurement on installations, network supervision...

Chemical products
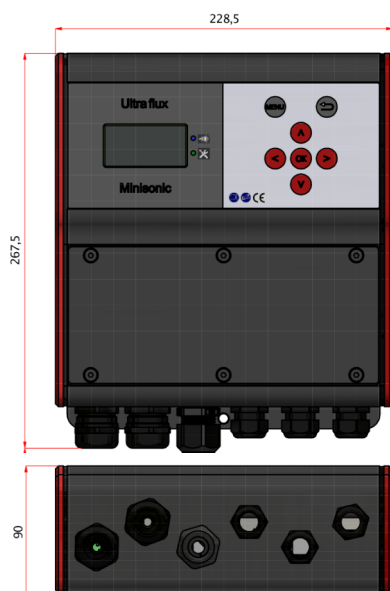Flow measurement on acids, alkaline...

Food & drugs
Purified water flow measurement, CIP process supervision...

Energy, automotive sector...

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Ultraflux
Ultrasonic flowmeters
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Technical specifications

TECHNOLOGY	Transit time ultrasonic flowmeter		
SIGNAL TREATMENT	Analogic + ESC (Echo Shape Control)		
USAGE	**Single chord - Single pipe**	**Dual chords - Single pipe**	**Single chord - Dual pipes**
MEASURED VALUES	Volumetric flowrate, Velocity, Speed of sound, Totalizers, Signal quality, Gain, Transit time...		
STANDARD OUTPUTS	(1x) isolated 4-20 mA output + HART (2x) isolated contact outpout		
OPTIONAL I/O	(2x) Curent input (2x) Voltage input (4x) 2 wires Pt100 input (2x) 3 wires Pt00 input		
DISPLAY	Clear OLED Graphic display 128x64 pixels		
HELP FOR DIAGNOSIS	Multi parameters as Quality index, Gain, Echo display, Celerity, Transit time ...		
CONFIGURATION	Intuitive programming with easy to use MMI and keypad		
DATA LOGGER	Up to 10 recordable parameters Recording period adjustable from 1 second to 1 hour Recording mode adjustable between: Average - Average Min Max - Average Min Max Standard deviation		
FILTERS	Damping time - Memory time - Low-flow cut off		
LANGUAGE	French – English – German – Spanish – Thaï - Bahasa (Fot more, please contact us)		
COMMUNICATION	Mobus TCP through Ethernet USB port for update and logger downloading Mobus RTU through RS 232 / 485		
OPTIONAL FUNCTIONS	Calorimetry (pending) Dual Calorimetry (pending) P/T correction (pending) ISD (Interface detection) (pending)		
POWER SUPPLY	AC 110 – 230 V 50/60 Hz or DC 12 - 24 V (Average comsumption 6W - 10W peak)		
ENCLOSURE	Aluminium housing, robust and compact		
DIMENSIONS	216 x 268 x 90 mm including mounting back plate		
WEIGHT	3,6 kg including mounting back plate		
PROTECTION	EN/IEC 60659 IP67		
COMPLIANCE	EMC : EN/IEC 61326-1 Safety : EN/IEC 61010-1		
TEMPERATURE OF USE	From -20°C to +60°C (Storage : -35°C to 60 °C)		

Dimensions (millimeters mm)

228,5

267,5

90

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