

Minisonic G

ULTRASONIC FIXED FLOW METER



MEDIA
MEASURED
GASES



PIPE DIAMETERS
UP TO
1500MM



MODELS
STANDARD
DUAL PIPE
DUAL CHORD



EXPLOSION-PROOF
ENCLOSURE OPTION
AVAILABLE



MULTIPLE USES

- > On most types of gases, high and medium pressure *
- > No loss of head: flush-fitting probes
- > Non ideal flow conditions taken into account

RELIABLE AND ROBUST

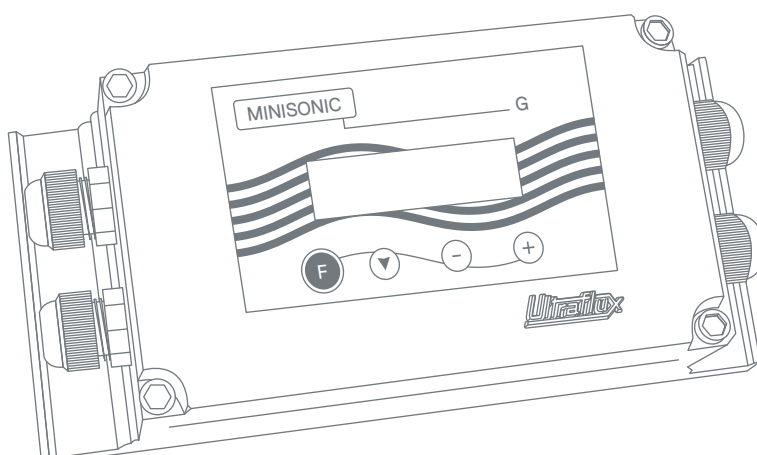
- > Automatic zero calibration
- > Signal quality display
- > IP67 cast aluminium enclosure

HIGH PERFORMANCE

- > Accurate up to 0.5%
- > Repeatability up to 0.1%
- > Large measurement dynamic

SIMPLE

- > Easy installation
- > Intuitive operation



TYPICAL APPLICATIONS

Aeraulic:

Air flow measurement for test bench

Mechanical ventilation:

Air flow assessment

Industrial sector:

Flow measurement in compressed air systems

Semi-conductor manufacturing:

Nitrogen flow measurement

* APPLICATION CONDITIONS: PLEASE CONTACT US

Ultraflux



EXPERT IN FLOW METERS
SINCE 1974

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MODEL	STANDARD	DUAL PIPE (IDENTICAL PROBES)	DUAL CHORD
NATURE OF EQUIPMENT	Fixed		
INTERNAL Ø OF PIPE	From 8mm to 1,400mm approximately (depending on wall thickness)		
EXTERNAL Ø OF PIPE	From 10mm to 1,500mm		
INPUTS/OUTPUTS	> 2 current outputs, 4-20mA (1000Ω galvanically isolated as a passive output/impedance of 150Ω as an active output) > 2 static relay outputs (100V - 100mA - 10VA max)		
USE	Flow measurement	Flow measurement in two pipes	Flow measurement with two speed chords
SINGLE OR DUAL PIPE	Single pipe	Dual pipe: for two pipes that might have different diameters and thicknesses, be made of different materials, but which must use same probes	Single pipe
SINGLE OR DUAL CHORD	Single chord	Single chord	Dual chord
IN OPTION, EXPLOSION-PROOF ENCLOSURE	> Available > Certified ATEX EEx d IIC T6	> Available > Please ask us	
DISPLAY	> Alphanumeric and graphical (2 lines x 16 characters) > Backlit LCD screen with time delay feature		
SET-UP	> Quick and simple using 4-key touch pad - or - via dedicated software supplied > Possible to build in an access code		
OPERATING SYSTEM	Windows for set-up and saving application data		
7 LANGUAGES	French • English • German • Portuguese • Spanish • Italian • Polish		
SERIAL LINK	RS232 or RS485 to JBUS/MODBUS protocol • 9600 Bauds		
ACCESSORY (OPTIONAL)	1 RS232 to USB converter link cable		
BASIC POWER SUPPLY	Low voltage: 9-36V dc or 7-25V ac (5VA)		
OPTIONAL POWER SUPPLY	18-72V dc or 90-230V ac (5VA)		
ENCLOSURE	Cast aluminium & epoxy paint • 1.5kg • 237 x 108 x 79mm		
EXPLOSION-PROOF ENCLOSURE	Cast aluminium & epoxy paint • 6.6kg • 244 x 130 x 232mm		
PROTECTION	IP67		
TEMPERATURE RANGE	For use from 0°C to 50°C		

TECHNOLOGY	PERFORMANCES		
ULTRASONIC TRANSIT TIME > Continuous bidirectional measurement SIGNAL ANALYSIS > By Echo Shape Control (optimisation of the acoustic signal)	ACCURACY > Up to 0.5%	TEMPORAL RESOLUTION > Better than 0.1ns	UNITS OF MEASUREMENT > From litres per second to cubic metres per day
	REPEATABILITY > Up to 0.1% LINEARITY > Up to 0.1%	TIME BETWEEN EACH FLOW CALCULATION > 500ms	VOLUME METERING > From a centilitre up to 100 cubic metres

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