

Minisonic Speed

ULTRASONIC SPEED METER



FLUIDS
MEASURED
LIQUIDS



CHANNELS
UP TO
50M (WIDTH)



RIVERS UP TO
UP TO 50 M
(DISTANCE
BETWEEN BANKS)



MODELS
STANDARD
DUAL CHORD

SIMPLE

- > Quick and easy installation
- > Intuitive set-up

ADVANTAGEOUS

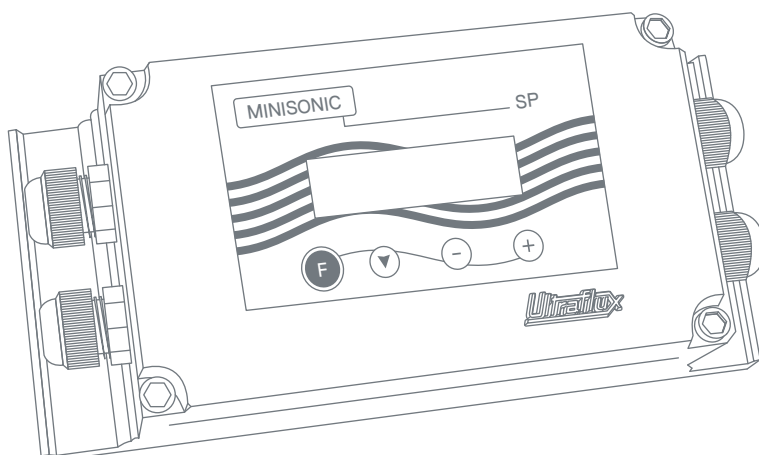
- > Lower installation cost
- > No mechanical wear:
little or no maintenance

RELIABLE & ROBUST

- > Measurement confirmation
objective indicators
- > IP67 cast aluminium
enclosure

ACCURATE

- > Large measurement
dynamic
- > Speed measured on all
channel or river width



TYPICAL APPLICATIONS

Drinking water:
Speed measurement
in treatment station,
in adduction systems

Waste water:
Speed measurement
of unit systems

Untreated water:
Speed measurement
in irrigation channels

**Chemical products,
food and farming:**
Speed measurement
in partially full pipe

* APPLICATION CONDITIONS: PLEASE CONTACT US

Ultraflux



EXPERT IN FLOW METERS
SINCE 1974

Minisonic SP

MODEL	STANDARD	DUAL CHORD
NATURE OF EQUIPMENT	Fixed	
MEASUREMENT ON PIPE UNDER LOAD	No	
FLOW MEASUREMENT ON OPEN CHANNEL	Yes	
WIDTH OF CHANNEL/RIVER	Up to 50m in clear water	
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	Speed measurement with one (speed) chord	Speed measurement with two (speed) chords
SINGLE OR DUAL CHANNEL	Single channel	Single channel
SINGLE OR DUAL CHORD	Single chord	Dual chord
DISPLAY	> Alphanumeric (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 include 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	
PROTECTION	IP67	
TEMPERATURE RANGE	For use from 0°C to 50°C	

TECHNOLOGY	PERFORMANCES
ULTRASONIC TRANSIT TIME > Constant, bidirectional measurement SIGNAL ANALYSIS > By Echo Shape Control (Optimisation of the acoustic signal)	ACCURACY > Up to 0.5% REPEATABILITY > Up to 0.1% LINEARITY > Up to 0.1% TEMPORAL RESOLUTION > Better than 0.1ns UNITS OF MEASUREMENT > m/s

NON CONTRACTUAL DOCUMENT

