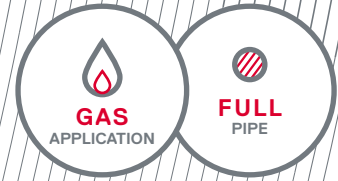


Minisonic PSD

PIG AND SPHERE DETECTOR



MEDIA MEASURED LIQUIDS & GASES



PIPE DIAMETERS UP TO 1500MM



MODEL STANDARD PORTABLE



EXPLOSION-PROOF ENCLOSURE OPTION AVAILABLE WITH STANDARD MODEL

19"

19" RACK OPTION AVAILABLE WITH STANDARD MODEL

SIMPLE

- > Non-intrusive installation
- > No process interruption
- > Intuitive operation

RELIABLE AND ROBUST

- > Signal quality display
- > IP67 cast aluminium enclosure

HIGH PERFORMANCE

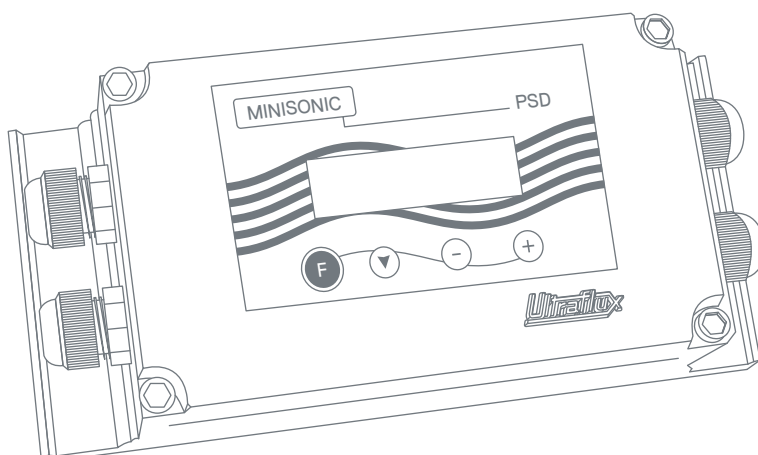
- > Detection of spheres at up to 10m per sec
- > Not affected by noisy environments

MULTIPLE USES

- > With any type of liquid or gas*
- > With any «Pig Sig» model

COMPATIBLE

- > External probes (no contact with the fluid, no loss of head)
- > Insertion probes (increased head possible)



TYPICAL APPLICATIONS

Hydrocarbons:
Detection of passing spheres or pigs in pipelines

* APPLICATION CONDITIONS: PLEASE CONTACT US

Ultraflux



EXPERT IN FLOW METERS
SINCE 1974

Minisonic PSD

MODEL	STANDARD	STANDARD EXPLOSION PROOF	PORTABLE
NATURE OF EQUIPMENT	Fixed		Portable
DETECTION IN PIPE UNDER LOAD	Yes		
FLOW MEASUREMENT ON OPEN CHANNEL	No		
EXTERNAL Ø OF PIPE	100mm to 1500mm / 4" to 60"		
INPUTS/OUTPUTS	2 static relay outputs		
USE	Detection of the passing of a sphere or pig	Detection in an explosive environment of the passing of a sphere or pig	Detection of the passing of a sphere or pig
IN OPTION, 2U 19" RACK	Available	—	—
SINGLE OR DUAL PIPE	Single pipe	Single pipe	Single pipe
SINGLE OR DUAL CHORD	Single chord	Single chord	Single 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 build in an access code		
OPERATING SYSTEM	Windows for set-up and saving application data		
6 LANGUAGES	French · English · German · Portuguese · Spanish · Italian		
SERIAL LINK	RS232 or RS485 to JBUS/MODBUS protocol · 9600 Bauds		RS232 to JBUS/MODBUS protocol · 9600 Bauds
ACCESSORY (OPTIONAL)	1 RS232 to USB converter link cable		
ELECTRICAL CHARACTERISTICS	> 2 Static relays (100V - 100mA - 10VA max) > 1 RS232/RS485 serial link to MODBUS/JBUS protocol		> 2 Static relays (100V - 100mA - 10VA max) > 1 RS232 serial link to MODBUS/JBUS protocol
	> Basic power supply · Low voltage: 9-36V dc or 7-25V ac > Optional power supply 18-72V dc or 90-230 V ac > 2 current outputs, 4-20mA (1000 Ω galvanically isolated as passive output/150 Ω impedance as an active output)		> 12V NiMh sealed internal battery > 100-240V ac charger and aux. power supply function > 2 active current outputs, 4-20mA (150Ω impedance)
ENCLOSURE	> Cast aluminium & epoxy paint > 1.5kg · 237 x 108 x 79mm	> Cast aluminium & epoxy paint > 6.6kg · 244 x 130 x 232mm	> ABS · Supplied with a slip case and storage bag > 835g · 220 x 115 x 64mm
PROTECTION	IP67 (except rack 19")	IP67	
TEMPERATURE RANGE	For use from 0°C to 50°C		

TECHNOLOGY	PERFORMANCES	
ULTRASONIC TRANSIT TIME > Continuous measurement SIGNAL ANALYSIS > By Echo Shape Control (optimisation of the acoustic signal)	ACCURACY > Up to 0.5%	LINEARITY > Up to 0.1%
	REPEATABILITY > Up to 0.1%	UNITS OF MEASUREMENT > Metres per sec.

NON CONTRACTUAL DOCUMENT

