







FLUIDS

PIPES UP TO

MODEL STANDARD

## **COMPACT**

- > Lightweight (< 750g)
- > Easy handling

#### **ROBUST**

> IP 68 ABS Housing

## **FUNCTIONS**

- > Advanced Data logger
- > Records Indexing
- > USB records upload
- > Wake-up timer

## **VERSATILITY**

> All homogeneous fluids

### HIGH PERFORMANCE

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





#### TYPICAL APPLICATIONS

## Potable water

Leakage measurement, pump flow control, inline flowmeter verification

## Raw & waste water

Pump flow control, inline flowmeter verification

# Hydraulic expertise

Installation diagnostic, claims handling

## Civil engineering

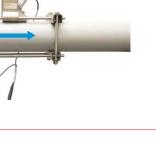
Installation conformity & commissioning

### Climatic engineering

Network balancing

#### Petroleum

One-off measurement







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
VELOCITY RANGE	Up to +/- 30 m/s
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
PERFORMANCE	Accuracy 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 Pad keyboard
CONFIGURATION MODE	> Simple · Normal · Expert > Up to 30 different configurations memory
LOGGER	Multi-variable data-logger • 2 Gb internal memory / Up to 33 millions of points     Reccord indexing (Site description / settings / values)     USB data-logger uploading     Sampling : from 1 second to 24 hours
WAKE-UP TIMER	Programmable activation for extended battery life
LANGUAGES	French - English (other : pending)
MEASUREMENT UNITS	Metric / imperial
AUTONOMY	>70 hours · More using wake-up timer
STANDARD ACCESSORIES	Shockproof case - Connection cables · Coupling gel · Mounting accessories
ELECTRICAL INFORMATION	Li-lon 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 to 50°C









MEASURED LIQUIDS

PIPE DIAMETER DN 1000 MM



SALES DESCRIPTION

· Set of 2 probes with their support

External probes for liquid flow measurement on a full pipe
 Standard applications - clear liquids and pipes
 Mounting on a pipe from DN40 to DN1000 mm

Maximum operating temperature of 80°C
Push-Pull connection
Magnetic support in 2 parts SU-1707 included

INSTALLATION

**APPLICATION** 

CONDITIONS OF USE

DIAMETER OF THE PIPE

THICKNESS OF THE PIPE

CONNECTIC

MOUNTING TYPE

**TEMPERATURE** 

COMPATIBLE CONVERTERS

ATEX CERTIFICATION

INGRESS PROTECTION

PROBES USED

SUPPORT TYPE

MATERIAL OF THE PROBES

MATERIAL OF THE SUPPORT

SIZE

WEIGHT

**FREQUENCY** 

Non intrusive

Full pipe

Standard - clear liquids and clean pipes

40 - 1000 mm

> 0.4 mm

Push-Pull

/, V, N, W

From -20°C to +80°C

ALL

NO

Type IP67

SE-1662-AS/BT/10

SU-1707

Plexiglass

Anodized aluminum

 $500 \times 36,5 \times 48,5$  mm (Can be split in 2 parts)

1000 g

1 MHz

NON CONTRACTUAL DOCUMENT





