

# DUS 50 Flowmeter Ultrasonic Flow Measurement



# DUS 50 Flowmeter

The DUS 50 flow meter is designed to be fitted with a compact or remote ultrasonic sleeve sensor type.

This sleeve sensor with customized flanges allows flow measurements of all liquids on the basis of transit time.

Water speed: 0,5m/s to 20 m/s.

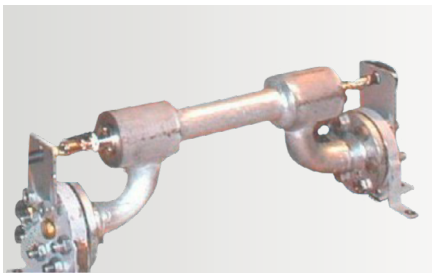
## Physical features

Converter DUS 50

- Moulded alloy box in Beige colour or customized
- Water tightness : IP 65
- Graphic/Digital LCD display with 14 lines of 20 characters with back light
- Dimensions : 200 X 200 X 70 mm
- Weight : 2 kg
- Performance : +/- 1% for V > 0.5m/s

Sleeve and flange type sensor

- Diameters : DN 20 and DN 40
- Flange : customized



## Applications fields

Submarine environments

## Technical features

Converter DUS 50

Power supply : 28 Vcc (+32v/ - 19v) In option : 110 V, 220 V - 50 Hz ou 60 Hz  $\pm$  10 %

Consumption : 200 mA

Inputs : Sensor - RS232

Outputs :

- current, 4 -20mA
- totalizer, open collector 24v
- flow direction, (dry contact)
- alarm (2 dry contacts)
- RS 232 for PC or printer interface

Vibration resistance :

- from 0.1 Hz to 1 Hz : a = 10 mn
- from 1 H to 50 Hz : y = 40 mg

## References

SCORPENE

Shock resistance : 10g

Sleeve sensor fitted with two intrusive sensors type Phi 15L30:

- 3MHZ frequency
- Maximum temperature of the liquid : 70°C
- Vibration resistance :
  - from 0.1 Hz to 1 Hz : a = 10 mn
  - from 1 H to 50 Hz : y = 40 mg
- Shock resistance : 10g
- Pressure & tightness resistance : 52 bars