



amesys  
BEN

## DUS 50 Flowmeter

### ULTRASONIC FLOW MEASUREMENT



*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

#### APPLICATION 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
- 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

## REFERENCE :

- SCORPENE

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