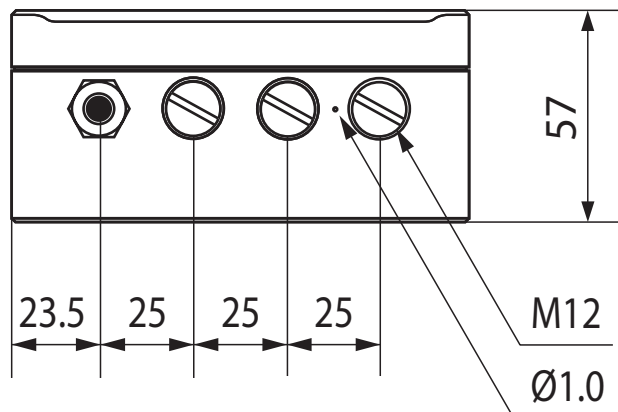
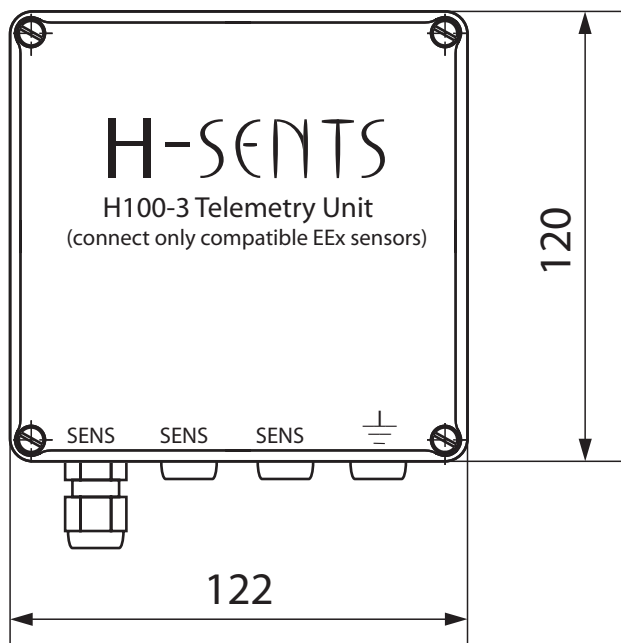


SENTS™ H100

AUTONOMOUS TELEMETRY UNIT FOR FUEL DELIVERY LOGISTICS

H100-3 Telemetry Unit



Dimensions in mm

Scale 1:2

Technical specifications

Sensor inputs

Number of sensor inputs: 3
 Sensor power supplies: 5 V DC -20%,+2%, 2 mA
 Sensor inputs: 0 - 5 V ratiometric
 Electrical connections: Screw clamps 1.5 mm²
 Cable pass-throughs: M12

GSM data communications

Communications via Short Message Service (SMS) standard
 Transmission of GSM network connection quality in each SMS, range from 0 to 31, minimum required value: 10
 Transmission of prepaid SIM card credit in each SMS

Unit configuration possibilities via server software

Sensors sampling frequency: 1 per hour to 1 per week
 Data transmission frequency: 6 per day to 1 per month

Alarms

"low level" detection frequency: 1 per 15 min. to 1 per week

Power supply

Custom lithium battery pack
 Transmission of battery level indication in each SMS

Typical autonomy:

> 6 years with 1 transmission per week
 > 3 years with 1 transmission per day

Precision of telemetry unit

Full Scale (FS): 5 V
 Resolution: < 0.1 % FS (10 bits)
 Accuracy: < 0.15 % FS

Protection standards

General protection: IP 65
 Housing material: ABS Plastic

Temperature ranges

Operating temperature: -20 °C to 55 °C
 Storage temperature: -20 °C to 80 °C
 Transmission of internal temp. of telemetry unit in each SMS

EMC directives

This product complies with the following directives: Low Voltage 73/23/EEC, EMC 89/336/EEC & Terminal 1999/5/EC

ATEX directives

This product complies with the following directives: 94/9/EC

EEx II (1)G [EEx ia] IIB Certification Nr: SNCH 02 ATEX 3374

EEx sensor compatibility

Use only with EEx ia certified sensors



H-SENTS-TS-H100.ENG:106



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