

Junction Box
Mounting: For wall mounting

Type:
BOX-SRF

Sheet No.
7-100 V2.1

10131-E010818V2.1



Application:

- For storage rooms
- For damp rooms
- For freezer compartments
- For storage containers

Properties:

- For wall mounting
- Ceramic block or temperature transmitter
- Resists shocks and vibrations
- Degree of protection: IP67
- Marine approved by: DNV·GL, LR, NK, RINA, ABS and BV
- Approved by: GOST and TRCU (on request)
- Perform after DS/EN50446



MECHANICAL SPECIFICATIONS:

Material housing:
Stainless steel EN 1.4404 (AISI 316L)

Surface:
Electro-polished

Mounting of lid:
Screw

Internal dimensions for transmitter:
Ø44x24 mm

Cable entry 1: -----
PG 9
Plug M12

Cable entry 2: -----
PG 9
Plug M12

Ambient temperatures:
-40/+100°C

ELECTRICAL SPECIFICATIONS


-----Cable 1 (pre-mounted):
SS (Silicone-Silicone) max. 180°C
SBS (Silicone-Inner Braided-Silicone) max. 180°C
TBT (Teflon-Inner Braided-Teflon) max. 250°C
None

-----Cable 1 length [m]:

-----Cable 2 (pre-mounted):
SS (Silicone-Silicone) max. 180°C
SBS (Silicone-Inner Braided-Silicone) max. 180°C
TBT (Teflon-Inner Braided-Teflon) max. 250°C
None

-----Cable 2 length [m]:

Link for further information: [Pt100 Tolerance](#)

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Calibration:

Temperature calibration are used to verify and certify the sensor to have the correct accuracy. We can do either: "In house" or "Accredited" calibration. Accredited is certified by 3.e part. Normally we do a calibration in 3 points.

Enhanced performance services:

Cold applications (below -50°C) will influence the material and the measurement. CRYO treatment is needed to ensure a correct and working sensor down to -196°C.

A sensor will always drift over time, especially when there are high temperature fluctuations.

With "Ageing treatment" we stabilize the sensor to ensure a minimum drift over time. The benefits are long term stability, more correct measurement and easier planning of calibration periods.

Documentation:

Please order the correct documentation when ordering the sensor.



SIGNAL PROCESSING

Terminal block mounted -----

Programmable mounted transmitter -----

Measuring range min/max: -200/+850°C
Output: 2-wire, 4-20 mA
Min. span: 25°C
Ambient temperature min/max: -40/+85°C

- [5333A Uninsulated for RTD](#)
- [5333D EEX Uninsulated for RTD](#)
- [5332A Uninsulated for RTD](#)
- [5332D EEX Uninsulated for RTD](#)
- [5334A Uninsulated for TC](#)
- [5334B Galvanic Isolated TC](#)
- [5331A Galvanic Isolated RTD / TC](#)
- [5331D EEX Galvanic Isolated RTD / TC](#)
- [5335A Hart 5 Protocol Standard](#)
- [5335D Hart 5 Protocol CSA, FM, ATEX, IECEx](#)
- [5337A Hart 5 & 7 Protocol](#)
- [5337D Hart 5 & 7 Protocol CSA, FM, ATEX, IECEx](#)



Documentation

- Documentation**
- Certificate: 3.1 Material
 - Certificate of origin
 - Certificate of conformity
 - Certificate of GOST

- Marine Certificate**
- Certificate of DNV·GL
 - Certificate of BV
 - Certificate of Rina
 - Certificate of NK
 - Certificate of LR
 - Certificate of ABS

Other on request

Transmitter Type:			
4 mA =		20 mA =	
	C°		C°

Link for further information to [Rail mounted transmitter](#)

Link for further information: [Transmitter Overview](#)