

Junction Box

Mounting: To be mounted on the wall

Type:
BOX-PP

Sheet No.
7-100 V2.1

10131-E010818V2.1



Application:

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

Properties:

- For mounting on wall
- Terminal block or temperature transmitter
- Resists shocks and vibrations
- IP65
- Approved by: GOST/TRCU



MECHANICAL SPECIFICATIONS:

Material housing:

ABS

Mounting of Lid:

Screw

Outer dimensions of box:

Box 82,6x80,8x55,5mm.

Internal dimensions for transmitter:

Ø44x24 mm

Cable gland: M9 – M20-----

Steel

Nickel plated brass

Plastic

Cable entry: -----

2 pcs.

Ambient temperatures:

-40/+100°C

ELECTRICAL SPECIFICATIONS

-----Cable (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 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](#)



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

[5350A Profibus standard](#)

[5350B Profibus ATEX, FM and CSA](#)

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

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

Documentation

-----Documentation

Certificate: 3.1 Material

Certificate of origin

Certificate of conformity

Other on request