

**Junction Box**  
**Mounting: To be mounted on the wall**

**Type:**  
**BOX-M**

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.
- IP67.
- Marine approved by: DNV-GL, LR, NK, RINA, ABS and BV
- Approved by: GOST/TRCU.



**MECHANICAL SPECIFICATIONS:**

**Material housing:**  
Silumin

**Surface:**  
Epoxy coated

**Mounting of lid:**  
2 Screws

**Internal dimensions for transmitter:**  
Ø44x24 mm

**Cable entry:**  
PG 16

**Ambient temperatures:**  
-40/+80°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](#)



**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 ClassNK  
 Certificate of LR  
 Certificate of ABS

Other on request

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](#)