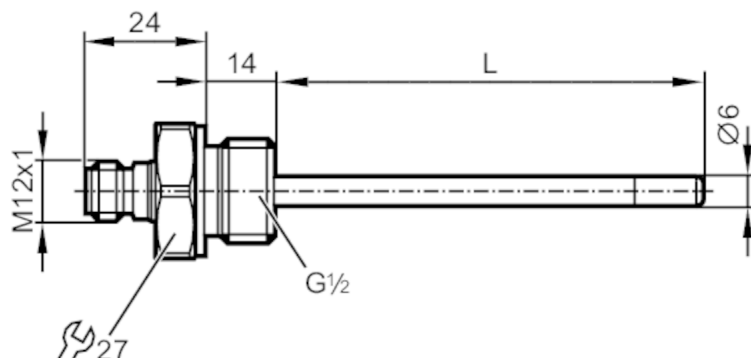




Temperature sensor with process connection

TM-150KFBR12-

/US/



Product characteristics

| | | |
|-----------------------------|---------------------------|--------------|
| Measuring range | -40...150 °C | -40...302 °F |
| Process connection | threaded connection G 1/2 | |
| Installation length EL [mm] | 150 | |

Application

| | | |
|---------------------------------|--|--|
| Special feature | Gold-plated contacts | |
| Measuring element | 1 x Pt 100; (to DIN EN 60751, class A) | |
| Media | liquids and gases | |
| Pressure rating [bar] | 160 | |
| Minimum installation depth [mm] | 15 | |

Electrical data

| | |
|------------------|-----|
| Protection class | III |
|------------------|-----|

Measuring/setting range

| | | | |
|-----------------|------|--------------|--------------|
| Probe length L | [mm] | 136 | |
| Measuring range | | -40...150 °C | -40...302 °F |

Accuracy / deviations

| | |
|--------------|-------------------------|
| Accuracy [K] | ± (0,15 K + 0,002 x t) |
|--------------|-------------------------|

Response times

| | |
|--------------------------------|--------------------------|
| Dynamic response T05 / T09 [s] | 1 / 3; (to DIN EN 60751) |
|--------------------------------|--------------------------|

Operating conditions

| | |
|--------------------------|---------------|
| Ambient temperature [°C] | -25...80 |
| Storage temperature [°C] | -40...100 |
| Protection | IP 68; IP 69K |

Tests / approvals

| | | |
|----------------------|-------------------|---------------------|
| Shock resistance | DIN EN 60068-2-27 | 50 g (11 ms) |
| Vibration resistance | DIN EN 60068-2-6 | 10 g (10...2000 Hz) |
| MTTF [years] | 22831 | |

Mechanical data

| | |
|--------------------------|------------------------------------|
| Weight [g] | 183 |
| Materials | stainless steel (316L/1.4404) |
| Materials (wetted parts) | stainless steel (316L/1.4404); FKM |

TM4441



Temperature sensor with process connection

TM-150KFBR12- /US/

| | | |
|------------------------|------|---------------------------|
| Tightening torque | [Nm] | 45 |
| Process connection | | threaded connection G 1/2 |
| Probe diameter | [mm] | 6 |
| Installation length EL | [mm] | 150 |

Remarks

| | |
|---------------|---|
| Remarks | operating voltage "supply class 2" according to cULus |
| | The values for accuracy apply to flowing water. |
| Pack quantity | 1 pcs. |

Electrical connection

Connector: 1 x M12; coding: A; Contacts: gold-plated



Connection

