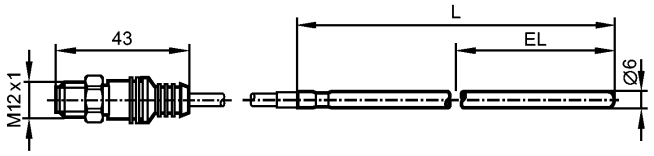
# TS2453

TS-200KLKD06 .../US

**Temperature sensors**




| | | | |
|---|---|---|---|
| **Product characteristics** | | | |
| Temperature sensor for connection to evaluation units | | | |
| Ø 6 mm | | | |
| Cable with connector | | | |
| Installation length EL: 150 **) mm | | | |
| Connection to control monitor TP / TR | | | |
| Measuring range: -100...600 °C / -148...1112 °F | | | |
| Measuring element: 1 x Pt 100, to DIN EN 60751, class A | | | |
| **Application** | | | |
| Application | | liquids and gases | |
| Minimum installation depth | [mm] | 15 | |
| **Electrical data** | | | |
| Connection to control monitor | | TP / TR | |
| Protection class | | III | |
| **Measuring / setting range** | | | |
| Measuring range | | -100...600 °C | -148...1112 °F |
| **Accuracy / deviations** | | | |
| Accuracy | | ± (0.15 K + 0.002 x \|t\|) | |
| **Reaction times** | | | |
| Dynamic response | T05 / T09 [s] | 12 / 34 *) | |
| **Environment** | | | |
| Protection | | IP 67 | |
| **Mechanical data** | | | |
| Materials (wetted parts) | | stainless steel 316Ti / 1.4571 | |
| Probe diameter | [mm] | 6 | |
| Probe length L | [mm] | 200 | |
| Installation length EL | [mm] | 150 **) | |
| Housing materials | | stainless steel 316Ti / 1.4571; PFA/PTFE | |
| Weight | [kg] | 0.096 | |

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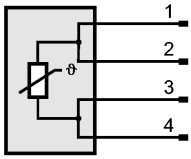
## Electrical connection

| | |
|---|---|
| Connection | PTFE cable / 2 m; temperature-resistant up to 250°C, with M12 connector |

**Wiring**




## Remarks

| | |
|---|---|
| Remarks | The values for accuracy apply to flowing water.<br>*) according to DIN EN 60751<br>**) Für Medientemperaturen < 200°C: Einbaulänge EL = Stablänge L |
| Pack quantity [piece] | 1 |