

# TS2453



## Temperature cable sensor with process connection

TS-200KLKD06 .../US



1 connection area, see remark

### Application

|                                 |                                        |
|---------------------------------|----------------------------------------|
| Measuring element               | 1 x Pt 100; (to DIN EN 60751, class A) |
| Media                           | liquids and gases                      |
| Minimum installation depth [mm] | 15                                     |

### Electrical data

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

### Measuring/setting range

|                 |      |               |                |
|-----------------|------|---------------|----------------|
| Probe length L  | [mm] | 200           |                |
| Measuring range |      | -100...600 °C | -148...1112 °F |

### Accuracy / deviations

|              |                                           |
|--------------|-------------------------------------------|
| Accuracy [K] | $\pm (0,15 \text{ K} + 0,002 \times  t )$ |
|--------------|-------------------------------------------|

### Response times

|                                |                            |
|--------------------------------|----------------------------|
| Dynamic response T05 / T09 [s] | 12 / 34; (to DIN EN 60751) |
|--------------------------------|----------------------------|

### Operating conditions

|            |       |
|------------|-------|
| Protection | IP 67 |
|------------|-------|

### Mechanical data

|                             |                                          |
|-----------------------------|------------------------------------------|
| Weight [g]                  | 95.5                                     |
| Dimensions [mm]             | Ø 6                                      |
| Materials                   | stainless steel (1.4571/316Ti); PFA/PTFE |
| Materials (wetted parts)    | stainless steel (1.4571/316Ti)           |
| Process connection          | diameter Ø 6 mm                          |
| Probe diameter [mm]         | 6                                        |
| Installation length EL [mm] | 150; (medium temperatures < 200 °C: 200) |

### Remarks

|               |                                                 |
|---------------|-------------------------------------------------|
| Remarks       | The values for accuracy apply to flowing water. |
| Pack quantity | 1 pcs.                                          |

### Electrical connection

Cable: 2 m, PTFE; temperature resistant up to 250 °C

Connector: 1 x M12

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### Connection

