



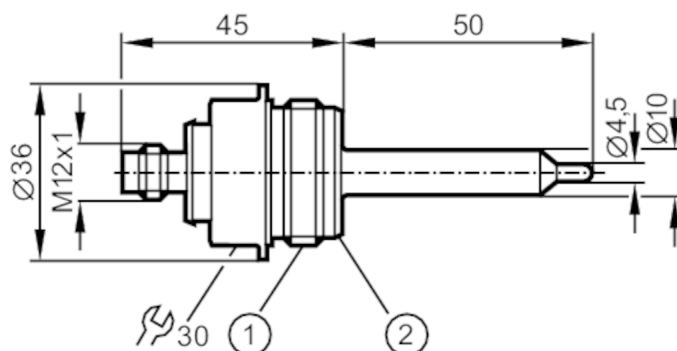
## Temperature sensor with process connection

TM-050KCED10- /US/ /V

Article no longer available - archive entry

Alternative articles: TM4511 + E33403

When selecting an alternative article and accessories please note that technical data may differ!



- 1 Aseptoflex thread
- 2 Aseptoflex sealing edge



EHEDG Certified

### Product characteristics

|                             |                      |              |
|-----------------------------|----------------------|--------------|
| Measuring range             | -40...150 °C         | -40...302 °F |
| Process connection          | G 1 Aseptoflex Vario |              |
| Installation length EL [mm] | 63.8                 |              |

### Application

|                                 |                                         |  |
|---------------------------------|-----------------------------------------|--|
| Special feature                 | Gold-plated contacts                    |  |
| Measuring element               | 1 x Pt 1000; (to DIN EN 60751, class A) |  |
| Application                     | hygienic systems                        |  |
| Media                           | liquids and gases                       |  |
| Pressure rating [bar]           | 50                                      |  |
| Minimum installation depth [mm] | 15                                      |  |

### Electrical data

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

### Measuring/setting range

|                 |      |              |              |
|-----------------|------|--------------|--------------|
| Probe length L  | [mm] | 50           |              |
| 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] | 5 / 14; (to DIN EN 60751) |
|--------------------------------|---------------------------|

### Operating conditions

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

### Mechanical data

|            |                                 |
|------------|---------------------------------|
| Weight [g] | 229                             |
| Materials  | stainless steel (1.4404 / 316L) |



## Temperature sensor with process connection

TM-050KCED10- /US/ /V

|                                                   |                                 |
|---------------------------------------------------|---------------------------------|
| Materials (wetted parts)                          | stainless steel (1.4404 / 316L) |
| Process connection                                | G 1 Aseptoflex Vario            |
| Surface characteristics Ra/Rz of the wetted parts | Ra: < 0.6                       |
| Probe diameter [mm]                               | 10                              |
| Installation length EL [mm]                       | 63.8                            |

### Remarks

|               |                                                                                                                                                                                                                              |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Remarks       | <p>The values for accuracy apply to flowing water.</p> <p>The 3-A qualification is only valid if adapters with 3-A qualification are used for installation.</p> <p>operating voltage "supply class 2" according to cULus</p> |
| Pack quantity | 1 pcs.                                                                                                                                                                                                                       |

### Electrical connection

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



### Connection

