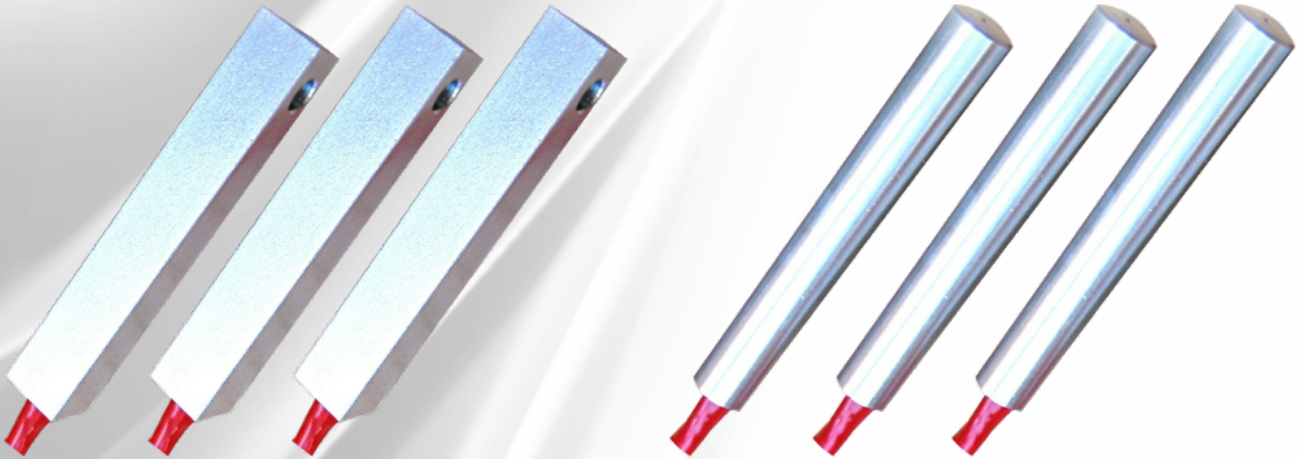


# External Sensor ESD-A5



## Features

- ▶ Highly resistant against corrosion, pitting and a multitude of chemicals
- ▶ Hermetically sealed by a thermally conductive potting compound
- ▶ Prismatic stainless steel housing with a 4 mm mounting bore for fitting to measurement object
- ▶ Cylindrical stainless steel housing for feeler application
- ▶ To be used with sensor control unit **SCU 800** or **SCU 835**
- ▶ May be combined with d-LIST sensor cable **SEC 15**
- ▶ Maximum number of external sensors each for inputs **A / B** of a sensor control unit **SCU 800** or **I / II** of a **SCU 835**:  
Up to 50 external sensors with a total cable length of up to 100 m  
From 51 to 99 external sensors with a total cable length of up to 50 m  
In combination with sensor cable **SEC 15** four external sensors at each sensor cable end with a total cable length of up to 200 m

## General Data

- ▶ Operating temperature: -40 °C ... +85 °C, up to +120 °C short term
- ▶ Ingress protection: IP 64
- ▶ Housing material: Material no. 1.4571 (DIN EN X6 CrNiMoTi 17-12-2)
- ▶ Cable isolation material: FEP (Fluorinated Ethylene Propylene)
- ▶ Storage Conditions: 0 °C ... +60 °C, 30% ... 70% relative humidity, non condensing, prevention against shock, vibration, dust, electrostatic discharge **ESD**, **UV** light

## Sensor Specifications

- ▶ Measurement range: -40°C ... +120 °C
- ▶ Measurement resolution: 0,0625 °C, output via protocol interface 0,1 °C
- ▶ Repeatability: ± 0,0625 K, output via protocol interface ± 0,1 K
- ▶ Power supply: 5 V DC via sensor control unit **SCU 800** or **SCU 835**

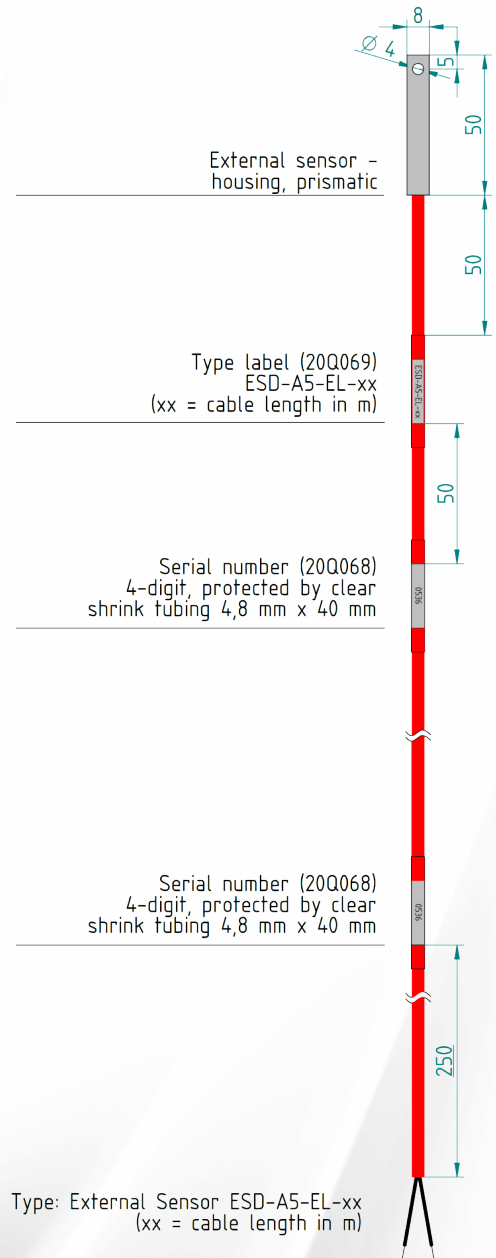
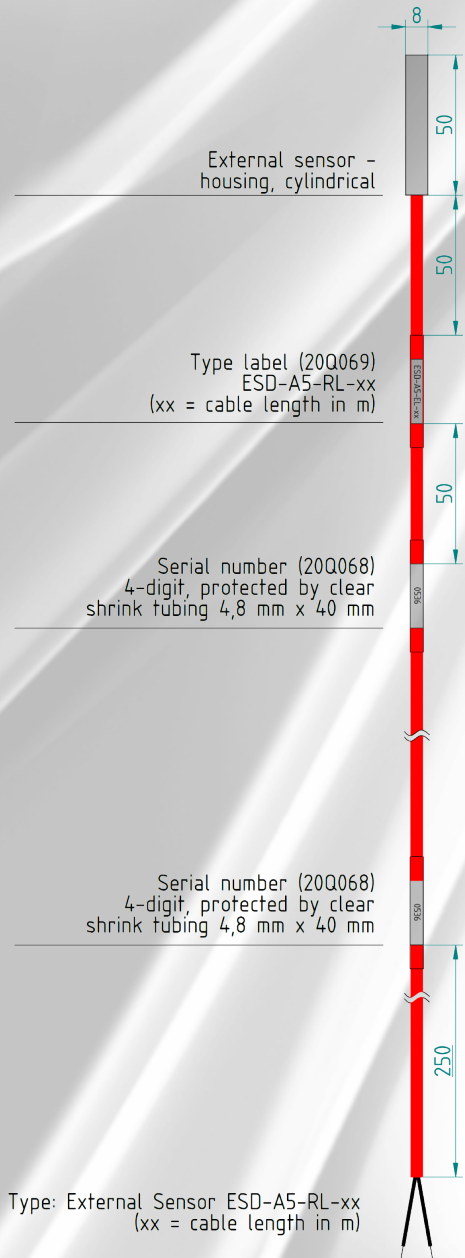
## Ordering Information

- |  |                                   |
|--|-----------------------------------|
| ▶ External sensor <b>ESD-A5-EL-01</b> (1 m connection cable, prismatic)    | Art.-no.: <b>62-2000343-00-00</b> |
| ▶ External sensor <b>ESD-A5-EL-05</b> (5 m connection cable, prismatic)    | Art.-no.: <b>62-2000346-00-00</b> |
| ▶ External sensor <b>ESD-A5-EL-10</b> (10 m connection cable, prismatic)   | Art.-no.: <b>62-2000499-00-00</b> |
| ▶ External sensor <b>ESD-A5-RL-01</b> (1 m connection cable, cylindrical)  | Art.-no.: <b>62-2000347-00-00</b> |
| ▶ External sensor <b>ESD-A5-RL-05</b> (5 m connection cable, cylindrical)  | Art.-no.: <b>62-2000350-00-00</b> |
| ▶ External sensor <b>ESD-A5-RL-10</b> (10 m connection cable, cylindrical) | Art.-no.: <b>62-2000498-00-00</b> |

**Scope of Delivery**

- ▶ External sensor with connection cable, length according to order
- ▶ Production file

**Dimensions**



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