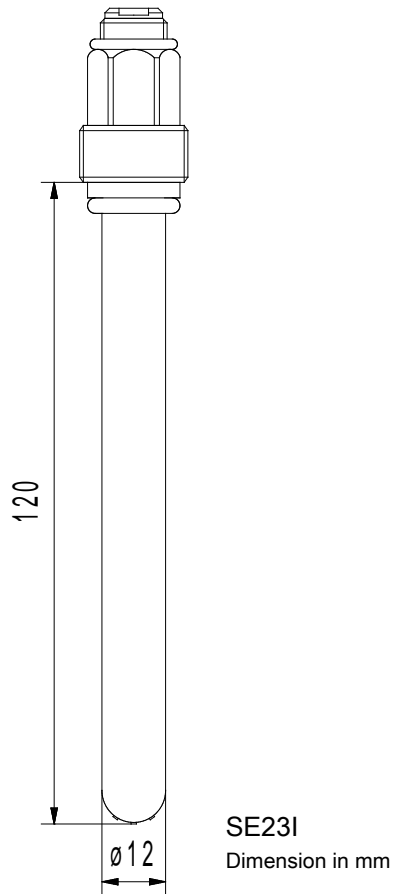


# SE23

Reference Electrode



Reference electrodes with internal Ag/AgCl reference system are used in connection with single pH, redox or ion-selective measurement electrodes. The low maintenance reference electrode with gel electrolyte features industrial application fields.

In addition to the version with plug head system and separated cable connection, models with fixed cable are available.

|   |   |
|---|---|
| <b>Electrode shaft</b>                    | glass, Ø 12 mm  |
| <b>Immersion length</b>                   | 120 mm  |
| <b>Temperature range</b>                  | -5...80 °C  |
| <b>Reference system</b>                   | Ag/AgCl sintered body   |
| <b>Electrolyte</b>                        | gel-filled (about 3 M KCl) with KCl reserve pipes   |
| <b>Diaphragm</b>                          | 3 ceramic frits   |
| <b>Resistance (Diaphragm)</b>             | < 5 kΩ  |
| <b>Minimum conductivity of the medium</b> | 100 µS/cm   |
| <b>Minimum immersion depth</b>            | 10 mm   |
| <b>Pressure</b>                           | < 6 bar   |
| <b>Electrical connection</b>              | <ul style="list-style-type: none"> <li>▪ S8 coaxial plug head with thread PG 13.5</li> <li>▪ S7 coaxial lab plug head</li> <li>▪ fixed cable</li> </ul>   |
| <b>Process connection</b>                 | <ul style="list-style-type: none"> <li>▪ with the relevant configuration thread PG 13.5 at sensor head for direct mounting in housings</li> <li>▪ installation vertically or laterally up to 30° from vertical</li> </ul> |

- Electrical connections of the sensor:
  - SE23I: S8 coaxial plug head with thread PG 13.5; separate connection cable is required
  - SE23-L: S7 coaxial lab plug head; separate connection cable is required
  - SE23-K050-F-P: 5 m fixed cable, stripped ends, thread PG 13.5
  - SE23...: standard model SE23 (plug head; cable length [1 m, 2 m, 5 m, 10 m], special cable length, plug, thread PG 13.5 are available)
  - SE23 (OEM): customer specially designed models (sensor length, OEM logo, ...)
  
- Accompanying plug head cable connections:
  - K43/2: coaxial cable, length 2 m with S7/S8 socket, without meter plug
  - K50/2: coaxial cable, length 2 m with S7/S8 socket and German DIN plug
  - K51/2: coaxial cable, length 2 m with S7/S8 socket and BNC plug