



The pH combination electrode with refillable electrolyte feature short response times and long working lives. These characteristics result from the regenerative reference system. So it is possible to use the sensors in difficult application fields. The refillable reference system needs refilling of the electrolyte regularly.

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

The model EGC151 with alkaline resistant high temperature glass (HT) features application for continuous measurement in mediums with higher temperature and extreme pH.

<b>Electrode shaft</b>	glass, Ø 12 mm
<b>Immersion length</b>	120 mm
<b>pH range</b>	0...14
<b>Temperature range</b>	<ul style="list-style-type: none"> <li>▪ EGA151: -5...80 °C</li> <li>▪ EGC151: -5...100 °C</li> </ul>
<b>Membrane shape</b>	cylinder
<b>Membrane resistance</b>	<ul style="list-style-type: none"> <li>▪ EGA151: ≤ 500 MΩ (25 °C)</li> <li>▪ EGC151: ≤ 1000 MΩ (25 °C)</li> </ul>
<b>Reference system</b>	Ag/AgCl
<b>Electrolyte</b>	fluid (about 3 M KCl), refillable
<b>Diaphragm</b>	1 ceramic frit
<b>Isopotential point</b>	7.0 ± 0.3
<b>Minimum immersion depth</b>	22 mm
<b>Pressure</b>	pressureless
<b>Electrical connection</b>	<ul style="list-style-type: none"> <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 shaft for direct mounting in housings</li> <li>▪ installation vertically or laterally up to 30° from vertical</li> </ul>

- **Electrical connections of the sensor:**
  - EGA151-L: S7 coaxial lab plug head; separate connection cable is required
  - EGA151-K010-D: 1 m fixed cable, DIN plug
  - EGA151...: standard model EGA151 (plug head; cable length [1 m, 2 m, 5 m, 10 m], special cable length, plug, thread PG 13.5 are available)
  - EGA151 (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