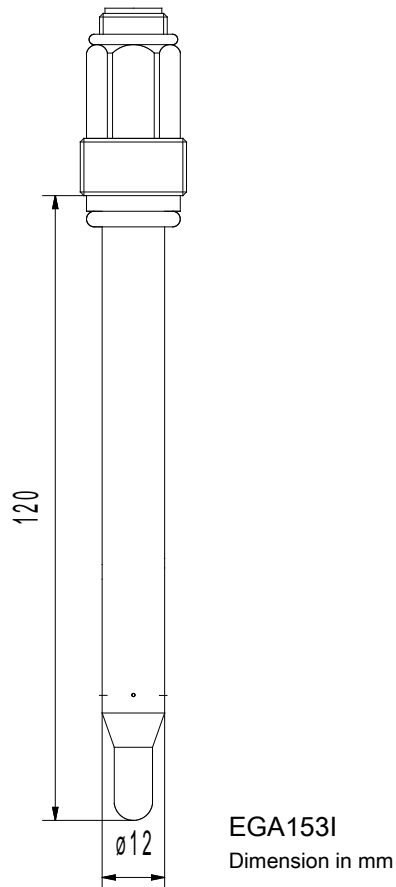


EGA153

pH Combination Electrode



This low maintenance pH combination electrode with gel electrolyte and 3 ceramic frits features application in water and waste water technology as well as in process applications. The 3 ceramic frits in circular direction of 120° realise a closed connection between the reference system and the measuring medium even for applications in pipes with high flow. In addition to the version with plug head system and separated cable connection, models with fixed cable are available.

The model EGC153 with alkaline resistant high temperature glass (HT) features application for continuous measurement in mediums with higher temperature and extreme pH.

Electrode shaft	glass, Ø 12 mm
Immersion length	120 mm
pH range	0...14
Temperature range	<ul style="list-style-type: none"> ▪ EGA153: -5...80 °C ▪ EGC153: -5...100 °C
Membrane shape	cylinder
Membrane resistance	<ul style="list-style-type: none"> ▪ EGA153: ≤ 500 MΩ (25 °C) ▪ EGC153: ≤ 1000 MΩ (25 °C)
Reference system	Ag/AgCl
Electrolyte	gel-filled (about 3 M KCl)
Diaphragm	3 ceramic frits
Isopotential point	7.0 ± 0.3
Minimum conductivity of the medium	100 µS/cm
Pressure	< 6 bar
Electrical connection	<ul style="list-style-type: none"> ▪ S8 coaxial plug head with thread PG 13.5 ▪ S7 coaxial lab plug head ▪ fixed cable
Process connection	<ul style="list-style-type: none"> ▪ with the relevant configuration thread PG 13.5 at sensor head for direct mounting in housings ▪ installation vertically or laterally up to 30° from vertical

- **Electrical connections of the sensor:**
 - EGA153I: S8 coaxial plug head with thread PG 13.5; separate connection cable is required
 - EGA153-L: S7 coaxial lab plug head; separate connection cable is required
 - EGA153-K050-F-P: 5 m fixed cable, stripped ends, thread PG 13.5
 - EGA153...: standard model EGA153 (plug head; cable length [1 m, 2 m, 5 m, 10 m], special cable length, plug, thread PG 13.5 are available)
 - EGA153 (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