



EGA 153 I

This pH combination electrode with gel electrolyte and 3 ceramic frits features low maintenance and application in water and waste water technology as well as in process applications. The three 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 through velocity.

In addition to the model with dismountable S7 plug head connection system, models with fixed cable connection are available too.

Accompanying plug head cable connections:

- K 43/2: Coaxial measuring cable, length 2 m with plug head S7 cable socket, without meter plug
- K 50/2: Coaxial measuring cable, length 2 m with plug head S7 cable socket and German DIN plug
- K 51/2: Coaxial measuring cable, length 2 m with plug head S7 cable socket and BNC plug

## Specifications

<b>Electrode stem</b>	glass, Ø 12 mm without refill opening
<b>Immersion length</b>	120 mm (immersion lengths 150 mm, 225 mm and 360 mm on request)
<b>pH range</b>	pH 0 ... 14
<b>Temperature range</b>	- 5 ... 80 °C
<b>Membrane shape</b>	cylinder
<b>Membrane resistance</b>	ca. 250 MΩ (25 °C)
<b>Reference system</b>	Ag/AgCl
<b>Electrolyte</b>	gel-filled (non-refillable), about 3 M KCl
<b>Diaphragm</b>	3 ceramic frits
<b>Isopotential point</b>	pH = 7 ± 0.3
<b>Pressure</b>	max. 6 bar
<b>Electrical connection</b>	EGA 153 I: PG 13.5 threaded coaxial plug head S7-system EGA 153 K/PG: 5 m fixed coaxial cable without connector, electrode stem equipped with hex nut PG 13.5
<b>Process connection</b>	sensor shaft equipped with hex nut PG 13.5 or PG 13.5 threaded plug head for direct mounting in housings; installation vertically or laterally up to 30° from vertical