



EGA 173 I

This pH combination electrode with gel electrolyte (low maintenance) and large-sized ring-shaped fixed glass sleeve junction is particularly directed towards applications involving the monitoring and control of industrial waste water, application in electroplating and process chemistry even under difficult conditions and in heavily polluted mediums.

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>	ring-shaped glass sleeve junction
<b>Isopotential point</b>	pH = 7 ± 0.3
<b>Pressure</b>	max. 6 bar
<b>Electrical connection</b>	EGA 173 I: PG 13.5 threaded coaxial plug head S7-system EGA 173 K/PG: 5 m fixed coaxial cable without connector, electrode stem equipped with hex nut PG 13.5 EGA 173 K/PI: 5 m fixed coaxial cable without connector, equipped with adapter 2 x NPT ¾ " thread (max. 65 °C)
<b>Process connection</b>	sensor shaft equipped with hex nut PG 13.5 or PG 13.5 threaded plug head or NPT thread for direct mounting in housings; installation vertically or laterally up to 30° from vertical