



This pH combination electrode with gel electrolyte is specifically developed for industrial applications and in-line measurements in biotechnological processes. The electrode features high reliability, low maintenance, good CIP and SIP ability, easy process connection without any housings for external pressure compensation and excellent long time stability even for applications with very difficult measurement conditions. The electrode is steam sterilisable up to 135 °C.

The EGV 150 has a spherical shaped pH bulb, making breakage virtually impossible. The electrode can be used equally well in small bio-reactors and in large scale fermentation processes.

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

Electrode stem	glass Ø 12 mm without refill opening
Immersion length	120 mm
pH range	pH 2 ... 10
Temperature range	0 ... 60 °C for operation; max. 135 °C for steam sterilisation
Membrane shape	cylinder
Reference system	Ag/AgCl cartridge
Electrolyte	gel-filled (non-refillable); about 3 M KCl
Diaphragm	hole junction (ceramic frit)
Isopotential point	pH = 7 ± 0.3
Pressure	max. 6 bar (130 °C)
Electrical connection	Euro-Standard PG 13.5 threaded plug head S7-system
Process connection	PG 13.5 threaded plug head; installation vertically or laterally up to 30° from vertical