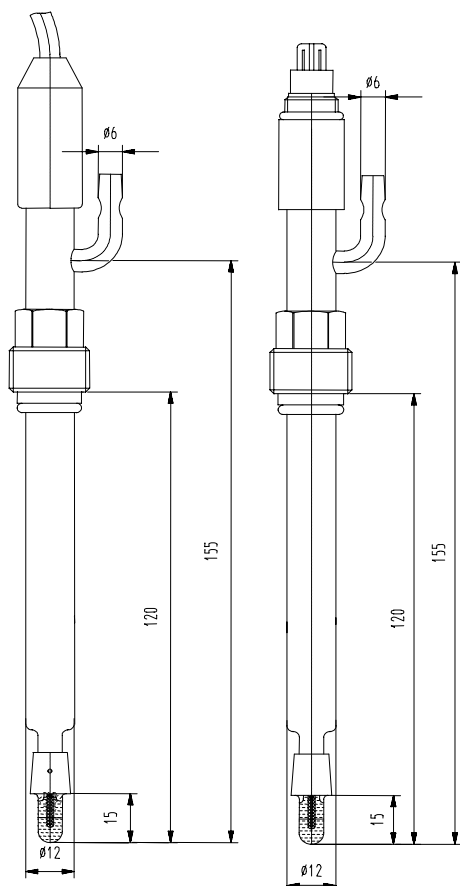


pH Combination Electrode EGA 144 PG

04/05



EGA 144 PG

EGA 144 SMEK/PG

Dimensions in mm

This pH combination electrode with detachable glass ground sleeve diaphragm, large low-resistant pH membrane glass and integrated temperature sensor is the ideal choice for difficult applications in samples with low ionic strength, like ultra clean water and drinking water with low conductivity as well as rapid temperature changes. The electrode features removable ground glass sleeve ring diaphragm for adjustment of the electrolyte flow and an extremely large cylindrical pH membrane. Connect the side arm to a 3 M KCl reservoir and adjust the flow for optimal performance.

Different versions with fixed cable and removable multipin Six-Plug connection system enable compatibility with nearly all types of on-line pH instrumentations world-wide.

Accompanying plug head cable connections:

K 54/2: Triaxial cable, length 2 m with SixPlug plug head cable socket, without meter plug

K 19/5: 6 wires measuring cable, length 5 m with SixPlug plug head cable socket, without meter plug

Accessories:

remote KCl reservoir (made of plastic) with hose connection for a silicon hose (length 5 m) to connect the side tube connector of the electrode with the reservoir

Specifications

Electrode stem

glass Ø 12 mm with side tube connector suitable for connection with a remote electrolyte reservoir; equipped with hex nut PG 13.5, free turnable on the stem

Immersion length

120 mm (other immersion lengths on request)

pH range

pH 0 ... 14 (up to pH 0 and pH 14 within a short operation time)

Temperature range

- 5 ... 60 °C (up to 80 °C within a short operation time)

Temperature probe

integrated Pt 1000 platinum resistor in accordance with DIN IEC 751 class A (special version with Pt 100)

Membrane shape

cylinder

Membrane resistance

about 300 MΩ (25 °C)

Reference system

Ag/AgCl reference cartridge system

Electrolyte

3 M KCl electrolyte (refillable)

Diaphragm

detachable ground joint sleeve diaphragm

Isopotential point

pH = 7 ± 0.3 (at time of delivery at 25 °C)

Pressure

max. 0.5 bar, or higher with pressure load at a remote side tube connector

Electrical connection

EGA 144 K/PG: fixed cable 5 m without meter plug

EGA 144 SMEK/PG: multi pin plug head SixPlug system (see drawing)

Process connection

sensor shaft equipped with hex nut PG 13.5 for direct mounting in housings; installation vertically or laterally up to 30° from vertical

Sensortechnik Meinsberg GmbH

Quality System certified to DIN EN ISO 9001

Kurt-Schwabe-Straße 6

D-04720 Zieglar-Knobelsdorf /GERMANY

Internet: www.meinsberg.de

Tel. +49 34327 623-0

Fax +49 34327 623-79

