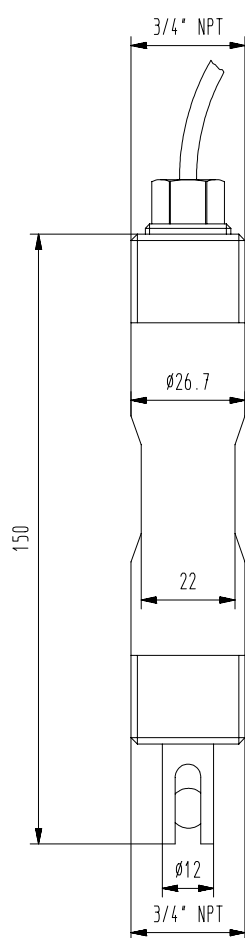


pH Redox (ORP) Combination Electrodes PI-W

06/04



Dimensions: mm

Equipped with a special adapter our nearly maintenance free process electrodes feature equivalent design to compact electrodes with additional protection guard against damage, fixed cable connection, extremely long term stability, easy flow and immersion installation, excellent price to performance ratio and wide range of application. The pH combination electrode EGA 233 K/PI and the redox (ORP) combination electrode EMC 233 K/PI with double junction, gel electrolyte and plastic body are the ideal choice for universal application in industrial and municipal waste water treatment and water monitoring. The pH combination electrode EGA 173 K/PI and the redox (ORP) combination electrode EMC 173 K/PI with high stability gel matrix with embedded KCl and a large-sized ring-shaped glass sleeve junction feature application in heavily polluted waste water. Simply thread the electrode into a mating tee for in-line use, or attach a user supplied extension pipe and coupling for submersion applications.

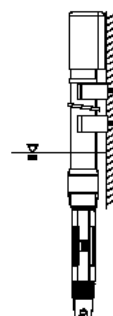
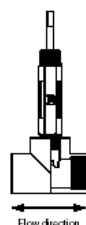
Different versions with different length of fixed cable connection and with or without integrated temperature sensor enable compatibility with nearly all types of on-line instruments world-wide.

Models:

- EGA 233 K/PI: pH combination electrode; double junction, ceramic frit; isopotential point pH 7; 5 m fixed cable without meter plug
- EMC 233 K/PI: Redox (ORP) combination electrode; double junction, ceramic frit; platinum disc Ø 6 mm 5 m fixed cable without meter plug
- EGA 173 K/PI: pH combination electrode; ring-shaped sleeve junction; isopotential point pH 7; additional protection guard; 5 m fixed cable without meter plug
- EMC 173 K/PI: Redox (ORP) combination electrode; ring-shaped sleeve junction; platinum disc Ø 6 mm; additional protection guard; 5 m fixed cable without meter plug

Installation examples :

Flow installation



Immersion installation

Specifications

Adapter	PVC, overall Ø about 27 mm; wrench flats 22 mm
Total length	150 mm
pH range	pH 0 ... 14
Temperature range	-5 ... 65 °C
Reference system	Ag/AgCl
Electrolyte	gel-filled (non-refillable), about 3 M KCl
Isopotential point	pH = 7 ± 0.3
Pressure	max. 6 bar (90 psig) at 65 °C
Electrical connection	fixed cable connection IP 67; standard length 5 m, Ø about 5 mm without meter plug; stripped and tinned ends (please specify other cable length and connector)
Process connection	screw-in thread 3/4 " NPT on both ends; installation vertically or laterally up to 30° from vertical

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Quality System certified to DIN EN ISO 9001

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