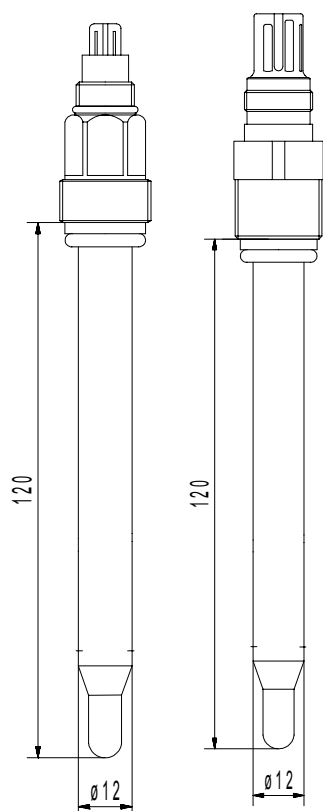


pH/Temperature Combination Electrode EGA 140

10/08



EGA 140 SMEK

EGA 140 VP

Dimensions in mm

This low maintenance pH combination electrode with gel electrolyte, 2 ceramic frits and built-in temperature probe features application under industrial conditions in water technology, sewage treatment, electroplating and process chemistry. The incorporated temperature probe allows simultaneous measurement of pH and temperature especially for automatically temperature compensated pH measurements. In addition to the version EGA 140 SMEK with removable SixPlug plug head, the model EGA 140 VP with extremely rugged VP plug head (VARIOPIN) and models with fixed cable are available.

Electrical connections of the sensor

EGA 140 SMEK:	SixPlug plug head; separated connection cable K 54/2 (3-pol., 2 m, SixPlug cable socket and stripped ends) or K 19/2 (6-pol., 2 m, SixPlug cable socket and stripped ends)
EGA 140 VP:	VARIOPIN plug head; separated connection cable K 19-VP/5 (8-pol., 5 m, VARIOPIN cable socket and stripped ends)
EGA 140-K050-F-P:	5 m triaxial cable, stripped ends, hex nut PG 13.5
EGA 140...:	standard model EGA 140 [temperature probe (Pt 1000, Pt 100, NTC 30 k Ω), cable length (1 m, 2 m, 5 m, 10 m), plugs, hex nut PG 13.5 are available]
EGA 140 (OEM):	customer specially designed models (sensor length, special cable length, temperature probe, OEM logo are available)

Specifications

Electrode stem	glass, \varnothing 12 mm
Immersion length	120 mm
pH range	pH 0 ... 14
Temperature range	-5 ... 80 °C
Temperature probe	integrated Pt 1000 platinum resistor in accordance with DIN IEC 751 class A (other temperature probes on request)
Membrane shape	cylinder
Membrane resistance	$\leq 150 \text{ M}\Omega$ (25 °C)
Reference system	Ag/AgCl
Electrolyte	gel-filled, about 3 M KCl
Diaphragm	2 ceramic frits
Isopotential point	pH = 7 ± 0.3
Pressure	max. 6 bar
Electrical connection	SixPlug plug head and connection cable K 54/2 or K 19/2 VARIOPIN plug head and connection cable K19-VP/5 fixed cable
Process connection	sensor shaft with hex nut PG 13.5 for direct mounting in housings; installation vertically or laterally up to 30° from vertical

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Quality System certified to DIN EN ISO

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