



EGA 142 SMEK

This pH combination electrode with gel electrolyte (low maintenance), rugged construction and built-in temperature probe features application under industrial conditions in water technology and sewage treatment. The incorporated temperature probe allows simultaneous measurement of pH and temperature especially for automatically temperature compensated pH measurements.

In addition to the version EGA 142 SMEK with removable Multipin SixPlug plug head connection system, the model EGA 142 VP with the extremely rugged VP plug head (VARIOPIN) connection system and models with fixed cable connection are available.

Accompanying plug head cable connections:

- K 54/2: Triaxial cable, length 2 m with SixPlug plug head cable connector, without meter plug
- K 19/5: 6 wires measuring cable, length 5 m with SixPlug plug head cable connector, without meter plug
- VP6-ST/5m: 6 wires measuring cable, length 5 m with VP plug head cable connector, without meter plug

Specifications

Electrode stem	plastic Ø 12 mm, black
Immersion length	120 mm (immersion lengths 150 mm on request)
pH range	pH 0 ... 14
Temperature range	- 5 ... 60 °C
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	ca. 250 MΩ (25 °C)
Reference system	Ag/AgCl
Electrolyte	gel-filled (non-refillable), about 3 M KCl
Isopotential point	pH = 7 ± 0.3
Diaphragm	ceramic frits
Pressure	max. 6 bar
Electrical connection	EGA 142 SMEK: Multipin PG 13.5 threaded SixPlug plug head EGA 142 VP: Multipin PG 13.5 threaded VP plug head
Process connection	PG 13.5 threaded plug head for direct mounting in housings; installation vertically or laterally up to 30° from vertical