



This low maintenance pH combination electrode with gel electrolyte, rugged plastic shaft and built-in temperature probe is used especially in connection with laboratory and field instrumentation. The sensor features application in water technology, sewage treatment, environmental analytics and aquaristics. The incorporated temperature probe allows simultaneous measurement of pH and temperature especially for automatically temperature compensated pH measurements.

In addition to the version with plug head system and separated cable connection, models with fixed cable are available.

Electrode shaft	plastic (black), Ø 12 mm
Immersion length	120 mm
pH range	0...14
Temperature range	-5...80 °C
Temperature probe	<ul style="list-style-type: none"> ▪ Pt1000 ▪ Pt100 ▪ NTC 30 kΩ
Membrane shape	cylinder
Membrane resistance	≤ 500 MΩ (25 °C)
Reference system	Ag/AgCl
Electrolyte	gel-filled (about 3 M KCl)
Diaphragm	2 ceramic frits
Isopotential point	7.0 ± 0.3
Minimum immersion depth	15 mm
Pressure	< 6 bar
Electrical connection	<ul style="list-style-type: none"> ▪ Variopin plug head with thread PG 13.5 ▪ fixed cable
Process connection	<ul style="list-style-type: none"> ▪ with the relevant configuration thread PG 13.5 at sensor head for direct mounting in housings ▪ installation vertically or laterally up to 30° from vertical

- **Electrical connections of the sensor:**
 - EGA142VP-X: Variopin plug head with thread PG 13.5; separate connection cable is required; Pt1000
 - EGA142-K050-F-P-X: 5 m fixed cable, stripped ends, thread PG 13.5
 - EGA142...: standard model EGA142 (plug head; cable length [1 m, 2 m, 5 m, 10 m], special cable length, plug, thread PG 13.5; temperature probe are available)
 - EGA142 (OEM): customer specially designed models (sensor length, OEM logo, ...)

- **Accompanying plug head cable connections:**
 - KVP/3: coaxial cable, length 3 m with Variopin socket, without meter plug