pH Combined Electrode with Plastic Sheathing

EXPERT-LINE

- Suitable for installation in pipes or immersion in tanks
- Measuring range pH 0 to 11
- Shock-proof and ruggedized with protective cage made of PPS
- Temperature range from 0 to +80 °C
- Rated pressure up to 7 bar
- Combined electrode with or without integrated temperature sensor
- ¾ NPT Thread

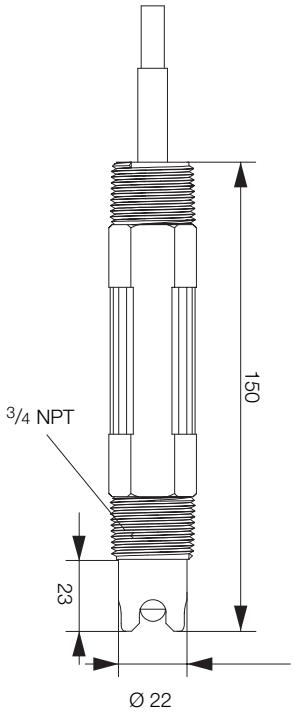
KOBOLD companies worldwide:
ARGENTINA, AUSTRIA, BELGIUM, CANADA, CHILE, CHINA, COLOMBIA, CZECHIA, FRANCE, GERMANY, GREAT BRITAIN, INDIA, IRAN, INDONESIA, ITALY, MALAYSIA, MEXICO, NETHERLANDS, PERU, POLAND, SINGAPORE, SLOVAKIA, SPAIN, SWITZERLAND, THAILAND, USA, VENEZUELA, VIETNAM

KOBOLD Messring GmbH
Nordring 22-24
D-65719 Hofheim/Ts.
☎ +49(0)6192 299-0
Fax +49(0)6192 23398
E-Mail: info.de@kobold.com
Internet: www.kobold.com

Model:
APS-X5K

Description

The process electrode for determining the pH value is suitable for almost all applications in process water analysis and water treatment – especially in the area of waste water cleaning. Due to the plastic housing (PPS) it is shock-proof and very easy to operate. The screw-in thread is replaced in most cases by a separate fitting. A temperature sensor (Pt 100) built into the electrode is available as an option. The electrode is delivered with a 5 m fixed cable.



Technical Data

Measuring range

pH-range:	pH 0 to 11
Temperature:	0 to 80 °C

Measuring system

Electrolyte:	KCl
Reference system:	dual diaphragm KNO_3 and KCl / AgCl
Minimum conductivit:	> 50 µS/cm
Zero potential:	pH 7 ± pH 0.2
Measurement accuracy:	± 0.1 % (in the recommended measuring range)
Alkali error:	< 0.05 pH in 0.1 molar NaOH (for pH 12.8)
Impedance:	150 MΩ at 25 °C
Response time:	95 % in 10 s
Drift:	< 2 mV per week

Materials

Housing:	PPS (polyphenylene sulphide)
Shaft (medium-contacting):	PPS
Gaskets (medium-contacting):	PTFE, FPM
Electrode (medium-contacting):	process-compatible glass

Mechanical Data

Total length:	150 mm
Length of shaft:	23 mm (with protective cage)
Diameter of shaft:	22 mm
Threaded connection:	¾ NPT
Thermostability:	0 - 80 °C
Resistance to pressure:	to 7 bar
Cable:	5 m fixed cable

Order Details Combined Electrode (Example: **APS-X 5 K 2 N 5 N**)

Model	Measuring range	Material	Shaft length	Temperature sensor	Electrical connection	Process connection
APS-X	**5** = pH 0-11; T = 0...80 °C	**K** = PPS (Polyphenyle sulphide)	**2** = 23 mm with protective cage	**N** = without temperature sensor **T** = with temperature sensor	**5** = 5 m cable **6** = 10 m cable **7** = 15 m cable	**N** = ¾ NPT

02 / 06-2008