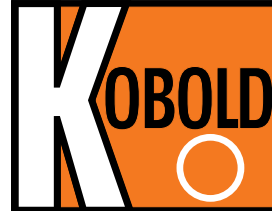




KOBO-pH

pH Combined Electrode with
Plastic Sheathing, Model APS-X5K



measuring
•
monitoring
•
analysing

EXPERT-LINE



- Suitable for installation in pipes or immersion in tanks
- Measuring range pH 0 to 11
- Shock-proof and ruggedized with wire guard made of PPS
- Temperature range from 0 to +80 °C
- Rated pressure up to 7 bar
- 5 m fixed cable
- Combined electrode with or without integrated temperature sensor
- 3/4" NPT Thread



KOBOLD offices exist in the following countries:

ARGENTINA, AUSTRIA, BELGIUM, BRAZIL, CANADA, CHINA,
FRANCE, GERMANY, GREAT BRITAIN, ITALY, NETHERLANDS,
POLAND, PERU, SWITZERLAND, USA, VENEZUELA

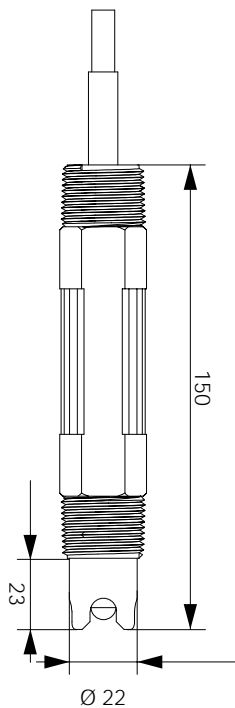
KOBOLD Messring GmbH
Nordring 22-24
D-65719 Hofheim/Ts.
☎ (06192) 299-0
Fax (06192) 23398
E-mail: info.de@kobold.com
Internet: www.kobold.com

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 Datas

Measuring range

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

Measuring system

Electrolyte: KCl
 Reference system: dual diaphragm KNO₃ and KCl / AgCl
 Minimum conductivity: > 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)
 Shank (medium-contacting): PPS
 Gaskets (medium-contacting): PTFE, FPM
 Electrode (medium-contacting): process-compatible glass

Mechanical Datas

Total length: 150 mm
 Length of shank: 23 mm (with wire guard)
 Diameter of shank: 22 mm
 Threaded connection: NPT 3/4"
 Thermostability: 0 - 80 °C
 Resistance to pressure: to 7 bar
 Cable: 5 m fixed cable

Type codes APS-X5K

