KOBO-pH
Liquid KCl Filled pH Combined Electrode
Model APS-X2Q

KOBOLD
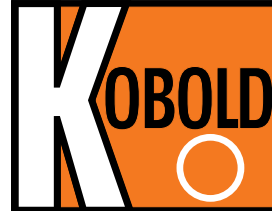
EXPERT-LINE

● Measuring range
  pH 1 to 12

● Temperature range
  -15 to +80 °C

● KCl liquid electrolyte fill
  allowing service as well
  with low conductivities
  ≥ 1 µS/cm

● Ceramic diaphragm

● Option:
  integrated
  temperature sensor

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ARGENTINA, AUSTRIA, BELGIUM, BRAZIL, CANADA, CHINA, FRANCE, GERMANY, GREAT BRITAIN, ITALY, NETHERLANDS, POLAND, PERU, SWITZERLAND, USA, VENEZUELA
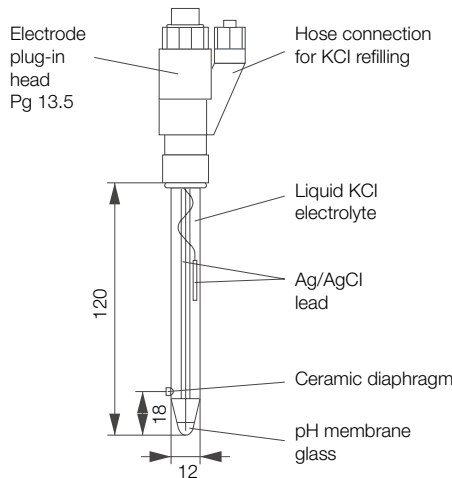
Model:
APS-X2Q

Description

The electrode filled with liquid KCl is used in media with very low conductivities (≥ 1 µS/cm), for example in high-purity water analysis or boiler feed water analysis. It is used as well in applications where the high concentration of organic solvents or alcohols which do not allow the use of a maintenance-free KCl gel filled electrode.

The electrode can be used up to a maximum pressure of 8 bar with back-pressure loading. A built-in temperature sensor Pt 100 is available as an option.

The length of the electrode is 120 mm. The connection head is a conduit thread 13.5 screwing.

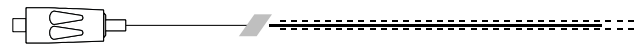Connection cable model APK-X is required when using the electrode.

Electrode plug-in head Pg 13.5

Hose connection for KCl refilling

Liquid KCl electrolyte

Ag/AgCl lead

Ceramic diaphragm

pH membrane glass

120

18

12

Technical Datas

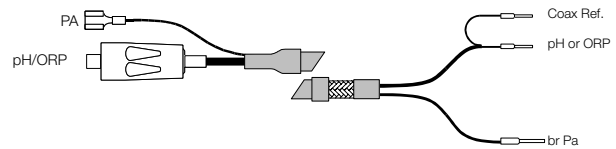|	
Material:	process-compatible glass
Diaphragm:	ceramic
pH-value:	1...12
Temperature range:	-15...+80°C
Length of shank:	120 mm
Diameter:	12 mm
Threaded plug head:	conduit thread 13.5
Minimum conductivity:	≥ 1 µS/cm at 1 Diaphragm
KCl consumption	(Δp=0.1 bar, t=25°C): max. 3 mL/day

Connection cable and connector socket for pH electrodes model APS-X2Q

- Measuring cable with outer screen and coaxial conductor
- Cable sheath: PVC
- Cable diameter: 7 mm, 5 mm (APK-X5S)
- Thermostability: -25...+85°C
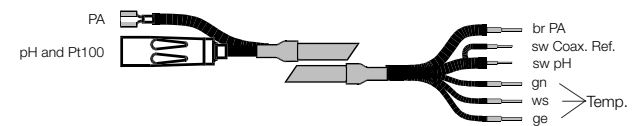 -10...+80°C (APK-X5S)
- Length: 5 metre
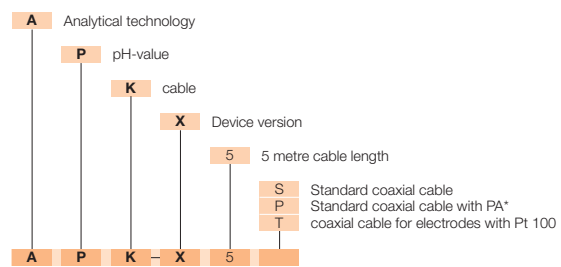
Standard coaxial cable APK-X5S

Standard coaxial cable with PA* APK-X5P

PA
pH/ORP

Coax Ref.
pH or ORP
br Pa

Coaxial cable for electrodes with Pt 100 APK-X5T

PA
pH and Pt100

br PA
sw Coax. Ref.
sw pH
gn
ws   Temp.
ge

Type codes APK-X (cable)

A	Analytical technology
P	pH-value
K	cable
X	Device version
5	5 metre cable length
S	Standard coaxial cable
P	Standard coaxial cable with PA*
T	coaxial cable for electrodes with Pt 100

| A | P | K | – | X | 5 | | |

* when using a fitting with an equipotential bonding pin (PA), in order to discharge any disturbance potentials and to ensure higher EM compatibility.

Type codes APS-X2Q (electrode)

A	Analytical technology
P	pH-value
S	Sensor
X	Device version
2	Ceramic diaphragm, KCl liquid fill
Q	Glass
2	pH 1-12; T=-15-80°C
K	No temperature sensor
T	with built-in Pt100
1	Threaded plug head conduit thread Pg 13.5
A	120 mm shank length

| A | P | S | – | X | 2 | Q | 2 | | 1 | A |