M-Zert
Zertifiziertes QM-System
DIN EN ISO 9001
Zertifikat-Nr. 01017

Gel-filled pH-combined Electrode

KOBOLD

measuring
•
monitoring
•
analysing

APS-Z
COMPACT-LINE

- Measuring range pH 0 ... 12 / 0 ... 14
- KCl gel fill (0% silver ions)
- Salt distillate for longer life time
- Ceramic diaphragm
  or
  PTFE ring diaphragm
  (for very soiled or oily media)
- Integrated Pt 100 optional
- Rated pressure up to 10 bar
  (at +25 °C)
- Temperature range
  -5 °C ... +80 °C
- High temperature glass electrodes
  -5 ... +135 °C
  (with ceramic diaphragm)
- Discharge system Ag / AgCl
  in as a cartridge

A1

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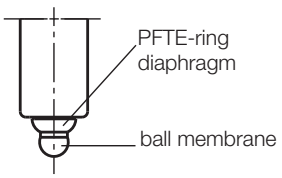
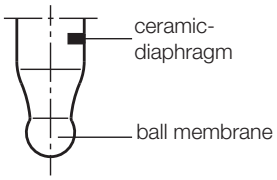
KOBOLD Messring GmbH
Nordring 22-24
D-65719 Hofheim/Ts.
Head Office:
+49(0)6192 299-0
+49(0)6192 23398
info.de@kobold.com
www.kobold.com

Description

The standard combined electrode for general pH measurements is filled with KCl gel (0% silver ions) and contains a salt distillate, which ensures longer stability times. The discharge system Ag/AgCl has been designed as a cartridge. The combined electrode version with PTFE ring diaphragm is especially suitable for tough service conditions, for example, service in clarification plants or in oily and very soiled media. A temperature sensor Pt-100 can be integrated VP ((Vario Pin) Pg 13.5 screw cap). The electrode can resist pressure up to 10 bar. Its dimensions are 120 x 12 mm (DIN 19 263).



Electrode with PTFE ring diaphragm



Electrode with ceramic diaphragm

Technical Data

Material:	General-purpose glass / high temperature glass
Diaphragm:	Ceramic, diameter 1 mm PTFE, annular
pH-values:	pH 0 ... 12 (general-purpose glass) pH 0 ... 14 (high temperature glass)
Temperature range:	-5 ... +80 °C (PTFE diaphragm) -5 ... +135 °C (ceramic diaphragm)
Pressure range:	up to 10 bar (at +25 °C)
Length of shaft:	120 mm
Diameter:	12 mm
Threaded plug head:	Pg 13.5
Minimum conductivity:	100 µS/cm

Connection cable APK-Z for pH electrodes model Model APS-Z

- For pH measurement with an electrode without temperature sensor, model APK-Z...K:
  Low noise coaxial cable
  Diameter: 5 mm in black
  Thermostability: -25 ... +70 °C
  Length: 5 m, 10 m

- For pH measurement with an electrode with temperature sensor, Model APK-Z...R:
  Low noise coaxial cable with VP (Vario Pin)-cable socket (4 stranded cables and shielding)
  Diameter: 5,5 mm in black
  Thermostability: -30 ... +70 °C
  Length: 5 m, 10 m

Order Details Connection cable

Model	Cable length	Cable type
APK-Z	**5** = 5 m cable length **1** = 10 m cable length	**K** = Standard coaxial cable **R** = coaxial cable for electrodes with Pt100 VP (Vario Pin)-cable socket

Order Details Combined Electrode (Example: APS-Z 1 N 1)

Model	Diaphragm	Temperature sensor	Device version
APS-Z	**1*** = ceramic diaphragm **2** = PTFE diaphragm	**N** = without temperature sensor (N-screwed head conduit thread Pg 13.5) **R** = with temperature sensor VP (Vario Pin) Pg 13.5 screw cap	**1** = general purpose glass **2** = high temperature glass -5 ... +135 °C (ceramic diaphragm)

*only available with option '2' (high temperature glas)

No responsibility taken for errors; subject to change without prior notice.
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