



Gel-filled pH-combined Electrode



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



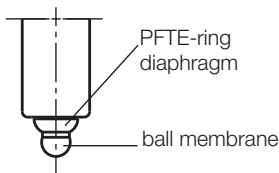
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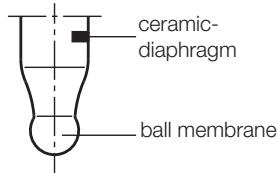
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Description

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	K = Standard coaxial cable R = coaxial cable for electrodes with Pt100 VP (Vario Pin)-cable socket
	1 = 10 m cable length	

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)