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

ORP Combined Electrode with Plastic Sheathing

KOBOLD

measuring • monitoring • analysing

EXPERT-LINE

- Suitable for installation in pipes or immersion in basins
- Shock-proof and ruggedized due to protective cage made of PPS (polyphenylene sulphide)
- Platinum ring as measuring element
- Temperature range 0 to +80 °C
- Rated pressure up to 7 bar
- 5 m fixed cable
- ¾ NPT thread

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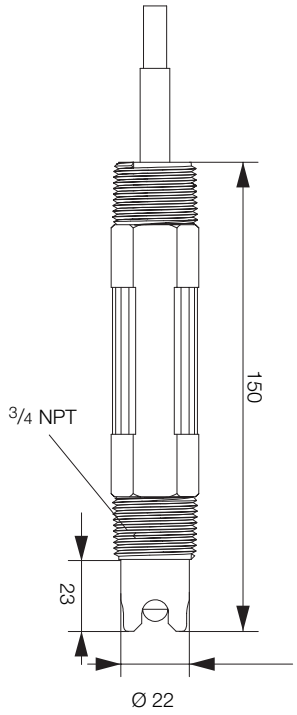
Model:
ARS-X5K

Description

The process electrode for determining the ORP is suitable for almost all applications in process water analysis and water treatment – especially in the area of waste water. It is used with the pH and ORP transmitter APM-X. Due to the plastic housing (PPS) the electrode is shock-proof and very easy to operate. The screw-in thread is replaced in most cases by a separate fitting.
The electrode is suited for service with all reducing media due to the platinum ring as measuring element. (For example: chromate reduction and chlorine dosing in swimming baths.)



Technical Data

Measuring system

Electrolyte:	KCl
Reference system:	dual diaphragm KNO_3 and KCl / AgCl
Minimum conductivity:	> 50 µS/cm
Measurement accuracy:	± 0.1 % (in the recommended measuring range)
Impedanz:	150 MΩ at 25 °C
Response time:	95 % in 10 s
Drift:	< 2 mV pro Woche
Sensor:	platinum ring

Materials

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

Mechanical Datas

Total Length:	150 mm
Length of shaft:	23 mm (with protective cage)
Diameter of shaft:	22 mm
Threaded connection:	¾ NPT
Thermostability:	0 to 80 °C
Rated pressure:	to 7 bar
Cable:	5 m,10 m and 15 m fixed cable

Order Details Combined Electrode (Example: **ARS-X 5 K 0 N 5**)

Model	Shaft length	Material	Pre-amplifier	Process connection	Electric connection
ARS-X	**5** = 23 mm with protective cage	**K** = PPS (polyphenylene sulphide)	**0** = without	**N** = ¾ NPT	**5** = 5 m cable

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