



## KOBO-RP

ORP Combined Electrode with  
Plastic Sheathing, Model ARS-X5K



measuring  
•  
monitoring  
•  
analysing

### EXPERT-LINE



- Suitable for installation in pipes or immersion in basins
- Shock-proof and ruggedized due to wire guard made of PPS
- Platinum ring as measuring element
- Temperature range 0 to +80 °C
- Rated pressure up to 7 bar
- 5 m fixed cable
- 3/4" NPT thread



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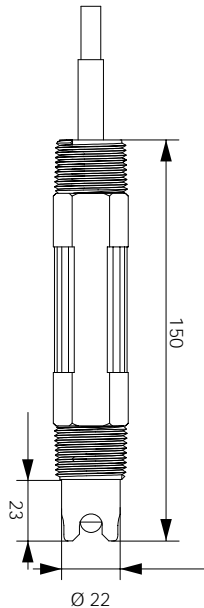
**Model:**  
ARS-X5K



**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 Datas**

**Measuring system**

Electrolyte:	KCl
Reference system:	dual diaphragm KNO <sub>3</sub> and KCl / AgCl
Minimum conductivity:	> 50 µS/cm
Measurement accuracy:	± 0.1 % (in the recommended measuring range)
Impedance:	150 MΩ at 25 °C
Response time:	95 % in 10 s
Drift:	< 2 mV a week
Sensor:	platinum ring

**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:	3/4" NPT
Thermostability:	0 to 80 °C
Rated pressure:	to 7 bar
Cable:	5 m fixed cable

**Type code ARS-X5K**

