

# BLUEBOX TRANSDUCER

**NEW**

The stand-alone BlueBox Transducer delivers high accuracy measurements for O<sub>2</sub>, Cl<sub>2</sub> and O<sub>3</sub> in all types of water.

The flexibility and wide range of the system mean that it can easily be applied to :

- ☐ Waste water and sewage plants
- ☐ Water treatment
- ☐ Reverse osmosis
- ☐ Power plants
- ☐ Atomic power stations
- ☐ Saline waters
- ☐ Swimming baths

## ADVANTAGES

- ☐ **NEW** Small and compact
- ☐ **NEW** Easy to use touch-screen display
- ☐ **NEW** Simple menu control
- ☐ **NEW** Measures chlorine and oxidants in one instrument
- ☐ **NEW** Up to 6 programmable limit values
- ☐ **NEW** Modular construction with economical system expansion



## PROPERTIES AND PERFORMANCE

- ☐ Measuring transducer with limit value and alarm contacts
- ☐ Separate output for each parameter 4 - 20 mA

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## TECHNICAL DATA

### INPUT PARAMETERS

MEASURING VALUE	ELECTRICAL CONDUCTIVITY	pH	TEMPERATURE
Principle	inductive	ISFET	NTC
Range	0.....2000 µS/cm	pH1....pH14	-1...+41°C
Accuracy	10 µS/cm	pH 0.1	0.9°C
Resolution	1 µS/cm	pH 0.01	0.01°C
Interval	1 sec.	1 sec.	1 sec.
Temperature measuring range	-10....+60°C		

### OUTPUT PARAMETERS

Output signal	4-20 mA, galvanic separated	4-20 mA, galvanic separated	4-20 mA, galvanic separated
Outputs	4-20 mA, galvanic separated	4-20 mA, galvanic separated	4-20 mA, galvanic separated

### RELAY OUTPUT

Operation	2 change-over contacts	2 change-over contacts	2 change-over contacts
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### AUXILIARY POWER

Power supply	24 VDC ±10%
Supply current	250 mA

### ENVIRONMENTAL CONDITIONS

Protection class	IP65
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### HOUSING

Material	Aluminium pressure casting, powder-coated
Weight	Approx. 1.7 kg (without cable and sensors)
Dimensions	220 mm x 130 mm x 70 mm

### LED GRAPHIC DISPLAY

Properties	240 x 128 pixel with LED-lighting, analog touch-panel, white
Dimensions display panel	95 x 60
Temperature range	-10....+45°C

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