



We are making your liquids transparent!



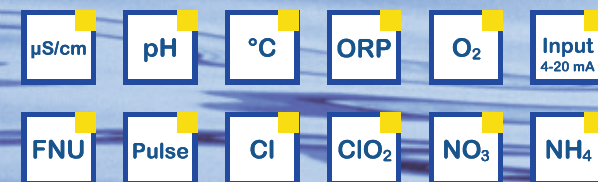
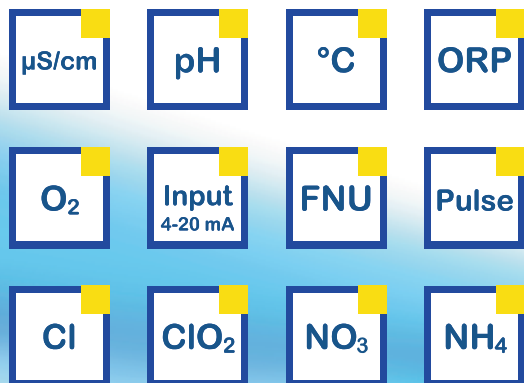
Transducer



Innovative systems to measure, control and regulate from Kiel.

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Optional Equipment

Measuring input 1 and 2	Measurement range
Conductivity: measuring principle: inductive	0 - 120 mS
Conductivity: measuring principle: conductive	0 - 120 mS
Temperature: measuring principle: NTC	-10 to +80°C
dissolved oxygen: measuring principle: galvanic cell	0 - 200%; 0 - 20 mg/l
pH ISFET technology	pH1 - pH14
pH: Measuring principle: glass electrode	pH1 - pH14
Turbidity: scattered light 90°, wave length 860 nm	0 - 3000 FNU
ORP	-2000 to +2000 mV
4 - 20 mA input, resistance 50 Ohm	4 - 20 mA
all established sensors (ISE) with current or voltage outputs eg.: Cl, ClO ₂ , NH ₄ , etc.	

The Blue Sense Transducer

- has an extensive basic equipment.
- records multiple parameters.
- is modular and expandable.
- records the collected data to standard SD card (data logger function).
- is via touch screen easily and comfortably to operate.
- can be connected via RS485, Modbus, Ethernet or CAN bus with PLC systems.
- has a very good price-performance ratio.

Basic Configuration (for up to two freely selectable sensors)

Inputs

- 2 x Analog inputs
- 2 x Digital In (static), potential-free contacts
- 2 x Puls in PNP/NPN selectable (Option: static)

Outputs

- 2 x Analog outputs: 0/4 - 20 mA
- 2 x Relays, potential-free contacts, 230 V AC, 2 A
- 2 x Relays, potential-free A-contact, signal contact

Display

- LCD touch panel: 240 x 128 Pixel
- Display of measured values
- Bargraphs
- Function keys
- Setting up of border and alarm values
- SD card slot for data recording

Housing

- Polycarbonate, 235 x 185 x 119 mm, IP65
- Environmental conditions: -10 to +45°C

Interfaces

RS232, RS485, 9600 baud, div. protocols, e.g. Modbus, SDI12

CAN-bus access for connection to the BlueBox-System

Ethernet, 10 Mbit/s, diverse protocols, e.g. TCP/IP

GSM, GPRS, UMTS (optional modem)

Voltage feed

24 V DC (18 - 36V); approx. 8 W

230 V AC (90 - 260 V); approx. 8 W