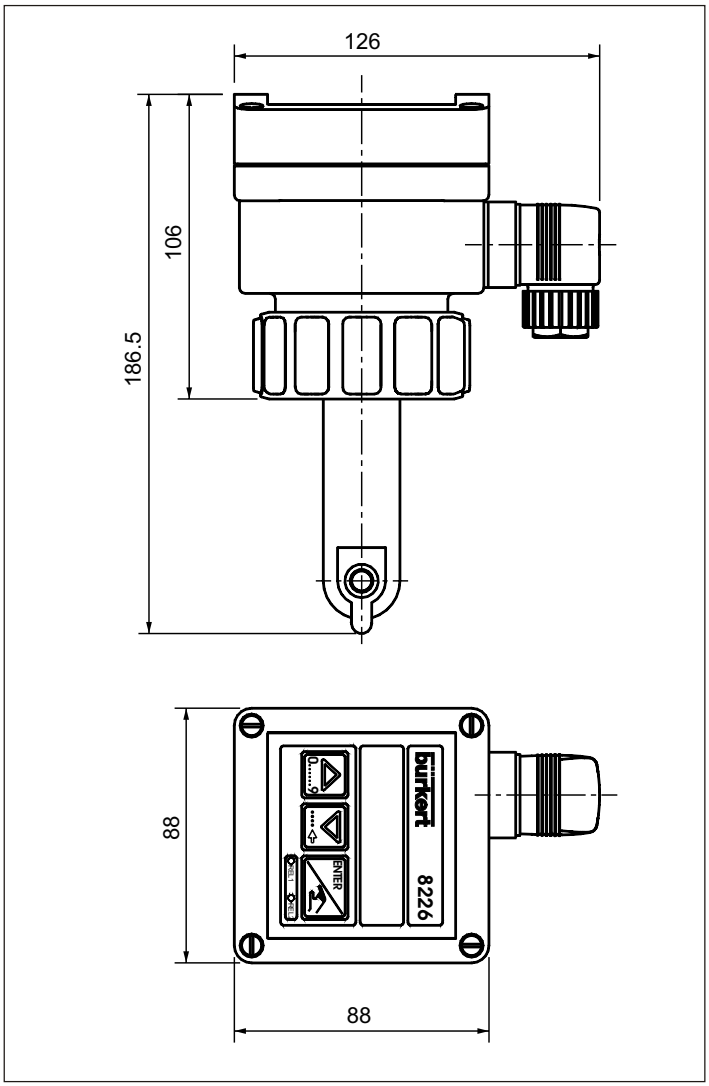
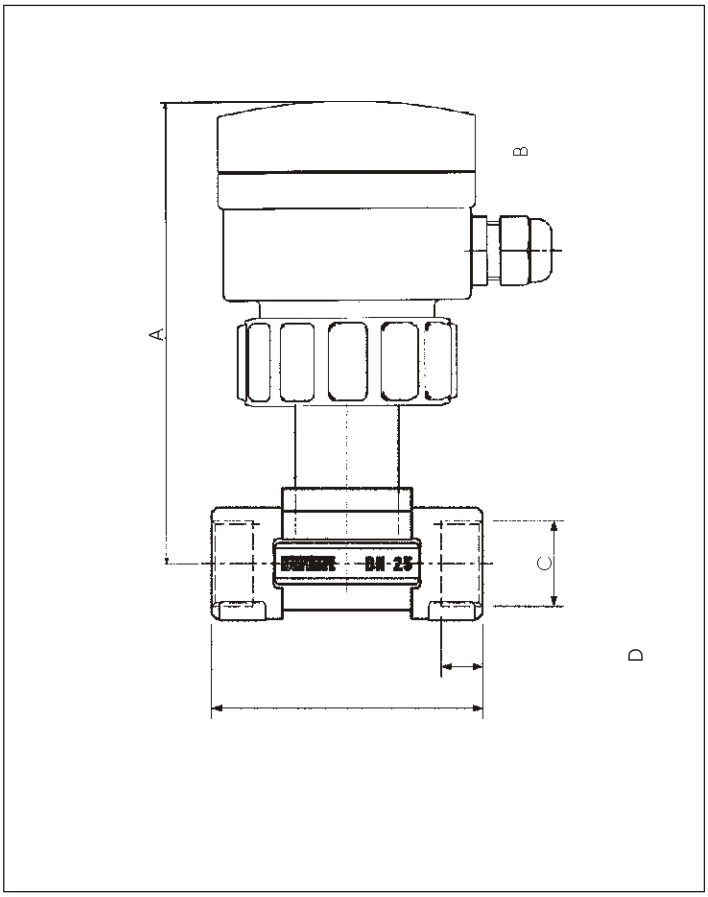
DIGITAL INDUCTIVE CONDUCIVITY TRANSMETTER TYPE 8226

Conductivity Measurements - DN32 ÷ DN50 - 4...20 mA / relay Output

The conductivity transmitter compactly combines conductivity sensor and transmitter with display in splash-proof plastic IP 65 enclosure. The sensor component consicts of a pair of magnetic coils in a PVDF enclosure.
The temperature sensor for automatic compensation is a standard feature in the sensor housing. The transducer component converts the measured signal and displays the actual value.
A 4-20 mA standard signal is available as output signal, proportional to the conductivity or the temperature of the fluid.
For waste engineering, contaminated liquids, liquids with particles, liquid with coating and sealing build up.

Dimensions [mm]

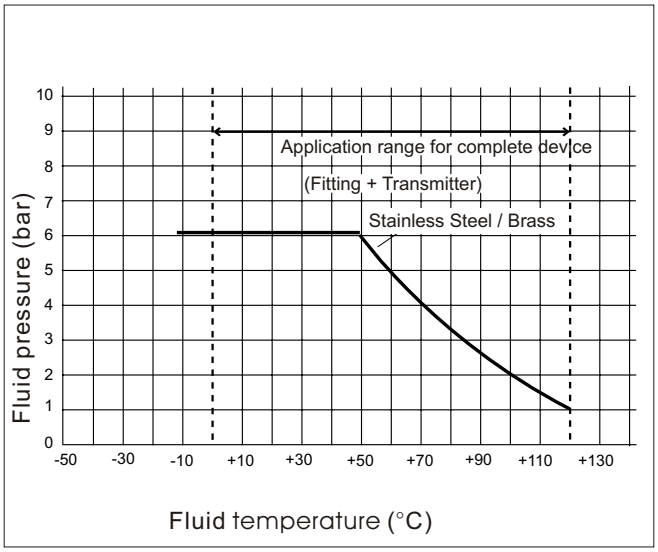




Variable Dimensions [mm]

DN	A	B	C	D
32.0	177.0	120.0	G 1 1/4	23.5
40.0	178.0	130.0	G 1 1/2	23.5
50.0	184.0	150.0	G 2	27.5

Pressure - Temperature Diagram (metallic fittings)



Digital Inductive Conducivity Transmitter

Specifications / Ordering code

Description	Code	
4-20 mA	431 673 U	

Fittings Type S020 (ordered separately)

Specifications / Ordering Code

Fitting Material	DN [Mm]	Material Gasket	Code	
St. Steel	32.0	FPM	428 739 B	
St. Steel	40.0	FPM	428 740 Q	
St. Steel	50.0	FPM	428 741 D	
Brass	32.0	FPM	428 715 T	
Brass	40.0	FPM	428 716 U	
Brass	50.0	FPM	428 717 V	

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Process Specifications

Measuring range	100 µS/cm... 2 S/cm
Measurins error	±2% of measured value
Temperature compensation	automatic with standardized Integrated temperature Sensor with reference Temperature 25 °C
Fluid temperature	0 up to 120 °C (Depending on fitting, see Pressure-Temperature Diagram)
Ambient temperature	0 up to 60 °C
Storage temperature	0 up to 60 °C
Fluid pressure	(Depending on temperature, See pressure-Temperature Diagram)
Pressure class	PN 6
Enclosure	IP 65 (NEMA 4) Relative humidity max 80%

Electronic Housing Sensor housing	PC PVDF; O-ring FPM / EPDM (PEEK on request)
Voltage supply	12...30 VDC
Consumption	max. 250 mA
Display	15 x 60 mm LCD 8 digit, 15 alphanumeric segments, 9 mm high
Analog output signal	4...20 mA programable, Proporztional to the conductivity Or temperature
Load	< 1000 W a 30 V < 800 W a 24 V < 450 W a 15 V < 330 W a 12 V
Relay outiput (optional)	2 relays, 3 A / 230 V; Freely adjustable

- ✓ Easy to commission with TEACH-IN function
- ✓ Easy to install with SIMULATION function
- ✓ Unsensitive against polluted fluids