

## AnaCONT

## COMPACT CONDUCTIVITY TRANSMITTERS

**New!****FEATURES**

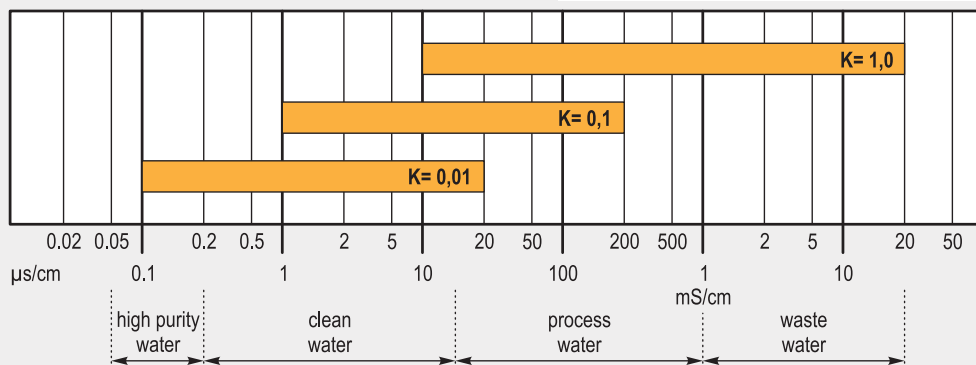
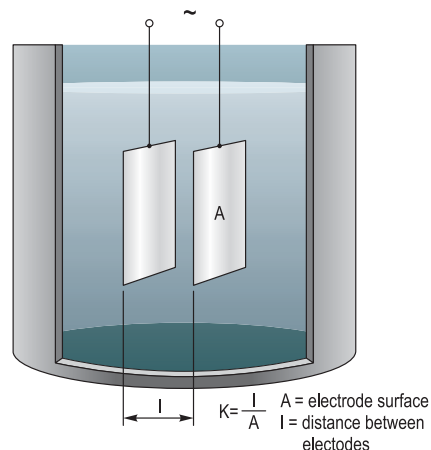
- Compact and mini compact versions
- Separated versions up to 10m
- Measuring range:  $0.1 \mu\text{S/cm}$  –  $20 \text{ mS/cm}$
- Replaceable or built-in probes
- Wide range of probes
- Cell constants:  $K=0.01$ ;  $K=0.1$ ;  $K=1$
- Temperature compensation
- Graphical plug-in display
- Optional external display
- $4..20 \text{ mA}$  / HART / Relay output

**OPERATION**

Two probes are immersed into the measured liquid. The distance between the probes and their surface define the cell constant ( $K$ ) of the instrument.

Connecting AC voltage to the electrodes the electronics measures the conductivity of the liquid between the probes. This measured value is converted to  $4..20 \text{ mA}$  output signal.

The cell constant defines the measuring range and thus the application area.



## TECHNICAL DATA

TYPE		AnaCONT L□K (compact)	AnaCONT LC□ (mini compact)
Measurement data	Range	0.1 $\mu$ S/cm – 20 mS/cm	1 $\mu$ S/cm – 2000 $\mu$ S/cm
	Accuracy	0.1 % $\pm$ 1 digit $\pm$ 0.01 % / °C	3 % $\pm$ 1 digit
Temperature measurement		Range: -50 °C ... +130 °C; Accuracy: $\pm$ 0.5 °C; Resolution: 0.1 °C	
Power supply		12-36 V DC galvanic isolation, protected against surge transients	
Probe input		2-wire conductive, galvanic isolation	
Probe	Replaceable		Built-in
	Cell constant K=0.01; K=0.1; K=1		
Output	Analogue	4 ... 20 mA	
	Relay	SPDT 30 V DC, 1 A DC	
	Display	SAP-300 dot matrix	
	Digital	HART	
Process temperature		-10 °C ... +90 °C	
Process pressure		0-1.6 MP (0-16 bar)	
Ambient temperature		-10 °C ... +70 °C	
Sealings		EPDM, Viton	Viton
Ingress protection		IP68 / IP67	
Housing material		Plastic, Aluminium	1.4571 Stainless Steel
Material of probe socket		St. st. + PP, PVDF, epoxi	St.st. + PP
Electrical connection		2 x M20 x1.5 cable gland	DIN43650 connector
Electrical protection		Class III.	
Ex marking		II 1 G EExia IIB T6 IP67	—



Plug-in displays



### AnaCONT IN SYSTEM WITH A PC

The instrument with HART output can be connected to a PC using a SAT-304 HART-USB modem. Max. 15 normal (non Ex) instruments can be connected to a HART line. Measured values can be visualised and/or the instruments can be programmed via digital HART communication. Applicable software: **EView** configuration software or **NIVISION** process visualization software.



### AnaCONT IN SYSTEM WITH MULTICONT

**MULTICONT** can handle a max. of 15 HART capable transmitters (conductivity, pH, ORP, temperature, level, pressure). The digital (HART) information is processed, displayed and if needed it can be transmitted via RS485 communication line to a PC. Remote programming of the transmitters is also possible. Visualisation on PC can be accomplished with **NIVISION** process visualization software.

## ORDER CODE

### AnaCONT compact conductivity transmitters

AnaCONT L □ K - □ □ □ □ - □ *							
Type	Code	Housing mat.	Code	Proc. conn. / Mat.	Code	Output / Ex	Code
Compact	E	Plastic	1	BSP 1 1/2 " / PP	1	4...20 mA	2
Compact + display	G	Aluminium	2	BSP 1 1/2 " / PVDF	2	4...20 mA+HART	4
				NPT 1 1/2 " / PP	4	4...20 mA / Ex	6
				NPT 1 1/2 " / PVDF	5	4...20 mA+HART / Ex	8
						4...20 mA / Relay	R
						4...20 mA+HART / Relay	H

### AnaCONT mini compact conductivity transmitters

AnaCONT LCK - 2 □ □ □ - □ □							
Measuring range	Code	Process conn.	Code	Output	Code	Measuring range	Code
1-20 $\mu$ S/cm (K=0.01)	1	BSP 3/4"	1	4...20 mA	2	0.1-20 $\mu$ S/cm (K=0.01)	1
10-200 $\mu$ S/cm (K=0.1)	2	BSP 1"	2	4...20 mA +HART	4	1-200 $\mu$ S/cm (K=0.1)	2
100-2000 $\mu$ S/cm (K=1)	3	(only with K=1 probe)				1-20 mS/cm (K=1)	3

\* the order code of an Ex version should end in 'Ex'