

AnaCONT LCK

CONDUCTIVITY TRANSMITTERS **FOR LIQUIDS**

5 YEARS WARRANTY



NIVELLO

ANALYTICAL TRANSMITTERS

The **AnaCONT** 2-wire mini compact conductivity transmitters are designed to measure the conductivity of liquids and convert the signal to a 4...20 mA output. They are suitable for measuring clean, non-crystallizable liquids. The design and the small size of the transmitter, and the wide temperature range make the device useful in various industrial applications. The two probes are immersed in the liquid to be measured. The distance between the probes and their surface defines the cell constant (K) of the instrument. The cell constant determines the measuring range and thus the application area.

FEATURES

- Mini compact version
- Application oriented measuring range
- Optional plug-in display
- 4...20 mA, HART®
- PACTware™ compatible
- IP68
- 5 years warranty

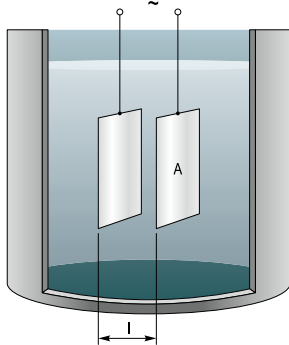
APPLICATIONS

- Water production
- Water processing
- Water purification
- Wastewater treatment
- Pharmaceutical industry
- Food and beverage industry



LCK-21□
+ PLK-501

PROBE



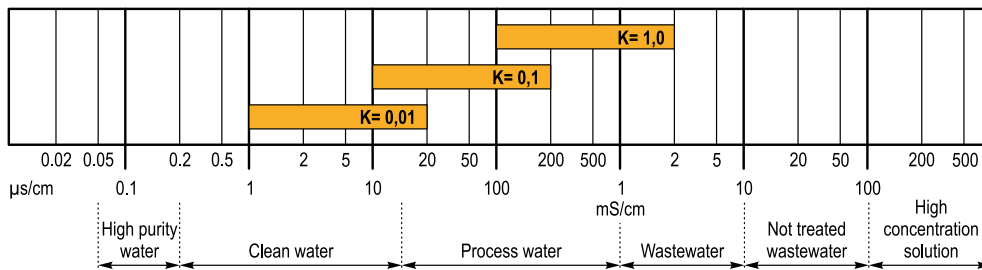
$$K = \frac{l}{A}$$

l = distance between electrodes
A = electrode surface

TECHNICAL DATA

		AnaCONT LCK
Measurement data	Range	1...20 μS/cm 10...200 μS/cm 100...2000 μS/cm
	Margin of error	Typically 3% ± 1 digit, max. 5%
Supply voltage		12...36 V DC galvanically isolated, transient overvoltage protection
Probe		2-electrodes, built-in
Cell constant		K = 0.01; K = 0.1; K = 1
Output	Analog	4...20 mA
	Display	UNICONT PLK-501 (optional)
	Digital communication	HART®
Process temperature		-10...+70 °C (+14...+158 °F)
Process pressure		0...16 bar (0...232 psi)
Ambient temperature		0... +70 °C (+32...+158 °F)
Seal		Viton®
Process connection		As per order code
Ingress protection		Probe: IP68, Connector: IP65
Housing material		stainless steel 316Ti (1.4571)
Probe housing material		316Ti (1.4571) + PP
Electrical connection		ISO 4400 connector
Electrical protection		Class III
Weight		~350 g (~0.77 lb)

OPERATION



LCK-232-2



ORDER CODES

AnaCONT LCK-2 □ □ □ □

Measuring range	Code	Process connection	Code	Output	Code
1...20 μS/cm (K=0.01)	1	3/4" BSP	1	4...20 mA	2
10...200 μS/cm (K=0.1)	2	1" BSP	2	4...20 mA + HART®	4
100...2000 μS/cm (K=1)	3*	3/4" NPT	3		
		1" NPT	4		
		1 1/2" TriClamp (ISO 2852)	T		
		2" TriClamp (ISO 2852)	R		

*3/4" version not available.

ACCESSORIES AVAILABLE TO ORDER

Type	Code
Plug-in display	PLK-501-2
Plug-in display with PNP output	PLK-501-3
3/4" BSP / 1" NPT (1.4571) adapter	EAA-159-0
HART®-USB modem	SAT-504-0
HART®-USB modem + power supply for transmitter	SAT-504-1
HART®-USB modem + p. s. for transmitter + Bluetooth®	SAT-504-2
HART®-USB/RS485 modem	SAK-305-2