AnaCONT LCK
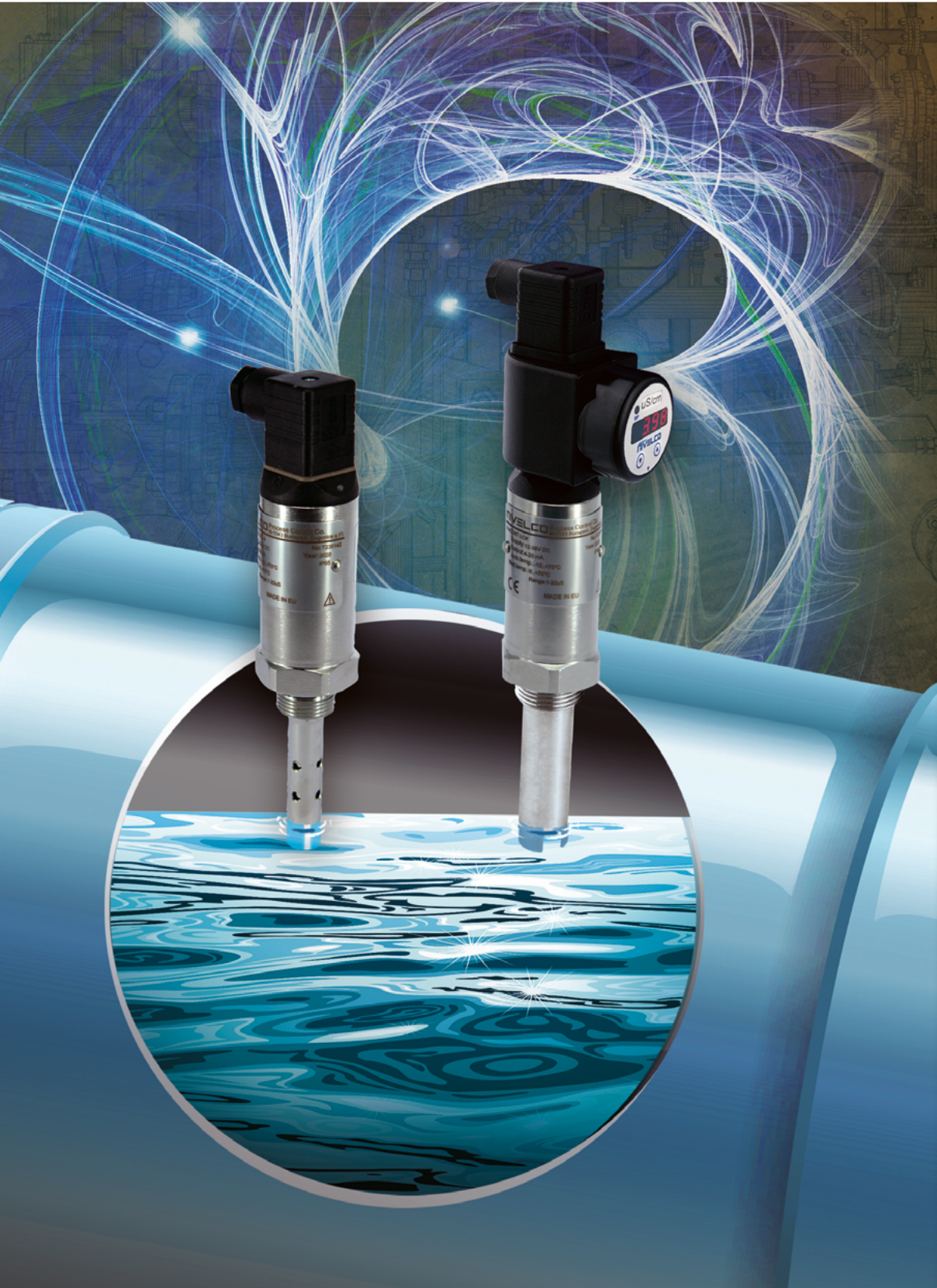
CONDUCTIVITY TRANSMITTERS **FOR LIQUIDS**

NIVELCO

ANALYTICAL TRANSMITTERS

GENERAL DESCRIPTION

The **AnaCONT** 2-wire mini compact conductivity transmitters are designed to measure the conductivity of a liquid and convert the input signal to 4 – 20 mA output. They are suitable for measuring clean, non-crystallisable liquids. The design and the small size of the transmitter and the wide temperature range make possible the use in diverse industrial applications. Two probes are immersed into the measured liquid. The distance between the probes and their surface define the cell constant (K) of the instrument. The cell constant defines the measuring range and thus the application area.
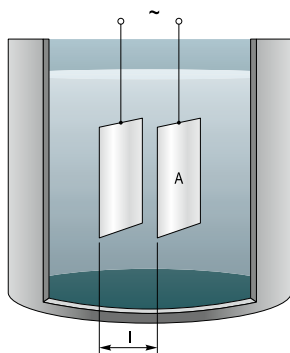
MAIN FEATURES

- Mini compact type
- Application oriented measuring range selection
- Optional plug-in display
- 4 – 20 mA, HART®
- IP68 protection

APPLICATIONS

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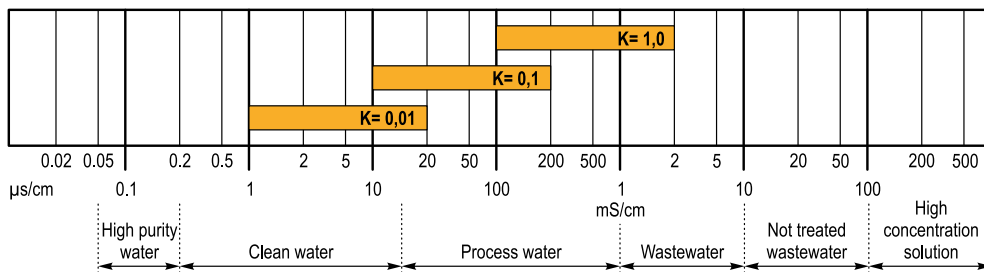- Pharmaceutical industry
- Food and beverage industry

LCK-211-4

PROBE

LCK-21☐
+ PLK-501

$$K = \frac{l}{A} \qquad \begin{array}{l} l = \text{distance between electrodes} \\ A = \text{electrode surface} \end{array}$$

TECHNICAL DATA

Type		AnaCONT LCK – mini compact
Measurement data	Range	1 µS/cm – 20 µS/cm 10 µS/cm – 200 µS/cm 100 µS/cm – 2000 µS/cm
	Measurement error	Typically 3% ±1 digit, max. 5%
Power supply		12 – 36 V DC galvanic isolated, protection against surge transients
Probe		2-electrodes, built-in
Cell constant		K = 0.01; K = 0.1; K = 1
Output	Analogue	4 – 20 mA
	Display	Optional UNICONT PLK-501 display
	Digital communication	HART®
Medium temperature		-10 °C … +70 °C (14 °F … +158 °F)
Process pressure		0 – 16 bar (0 – 232 psig)
Ambient temperature		0 °C … +70 °C (32 °F … +158 °F)
Sealing		Viton®
Process connection		As per order code
Ingress protection		Probe housing: IP68, Electronic housing: IP65
Housing material		Stainless steel 1.4571
Probe housing material		1.4571 + PP
Electrical connection		ISO 4400 connector
Electrical protection		Class III
Mass		~0.35 kg (~ 0.77 lbs)

LCK-232-2

OPERATION

ORDER CODES

AnaCONT LCK-2 ☐☐ - ☐

Measuring range	Code	Process connection	Code	Output	Code
1 – 20 µS/cm (K=0,01)	1	¾" 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*	1½" TriClamp (ISO 2852)	T		
		2" TriClamp (ISO 2852)	R		

¾" version not available.

ACCESSORIES TO ORDER

Type	Code
Plug-in indicator	PLK-501-2
Plug-in indicator with PNP output	PLK-501-3
¾" BSP / 1" NPT (1.4571) adapter	NAZ-105-0
HART®-USB modem	SAT-304-0
HART®-USB/Bluetooth® modem	SAT-504-☐
HART®-USB/RS485 modem	SAK-305-2

NIVELCO reserves the right to change technical data without notice. Specifications in metric & US units.

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