

# AnaCONT LCK

CONDUCTIVITY TRANSMITTERS **FOR LIQUIDS**



5 YEARS WARRANTY

**NIVELEC**

ANALYTICAL TRANSMITTERS

The AnaCONT 2-wire mini compact conductivity transmitters are designed to measure the conductivity of liquids and convert the signal to 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 diverse industrial applications. The two probes are immersed in the measured liquid. The distance between the probes and their surface defines the cell constant (K) of the device. 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



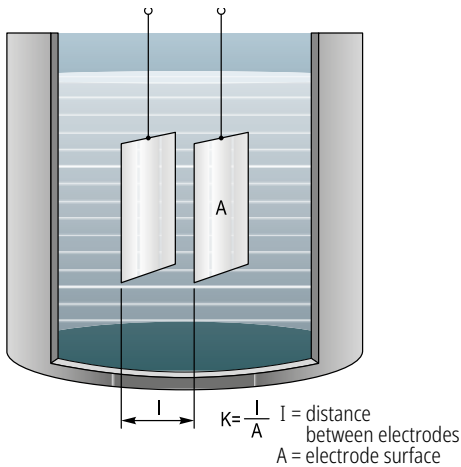
LCK-21□  
+ PLK-501

**TECHNICAL DATA**

AnaCONT LCK – mini compact

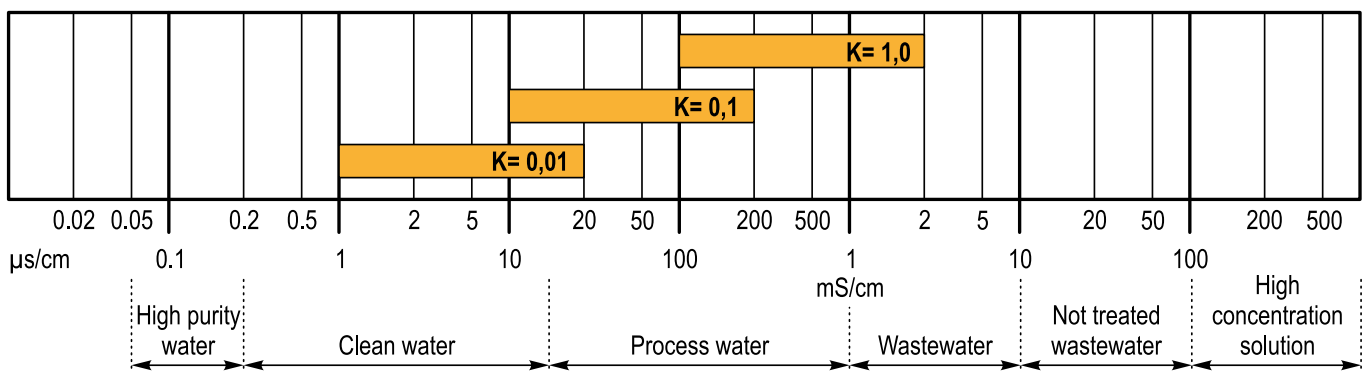
Measurement data	Range	1...20 µS/cm 10...200 µS/cm 100...2000 µS/cm
	Margin of error	Typically 3% ± 1 digit, max. 5%
Supply voltage		12...36 V DC galvanically isolated, transient overvoltage protection
Probe		2-electrodes, built-in
Cell constant		K = 0.01; K = 0.1; K = 1
Output	Analog	4...20 mA
	Display	Optional UNICONT PLK-501 display
	Digital communication	HART®
Process temperature		-10...+70 °C
Process pressure		0...16 bar (0...1.6 MPa)
Ambient temperature		0... +70 °C
Seal		Viton®
Process connection		As per order code
Ingress protection		Probe: IP68, Connector: IP65
Housing material		stainless steel 1.4571
Probe housing material		1.4571 + PP
Electrical connection		ISO 4400 connector
Electrical protection		Class III
Weight		~350 g

**PROBE**



LCK-232-2

**OPERATION**



**AnaCONT LCK-200** **5 years**

2-wire mini compact liquid analytical conductivity transmitter with 4...20 mA / 4...20 mA + HART® output  
 Conductivity measuring range: 1...20 µS/cm or 10...200 µS/cm or 100...2000 µS/cm

**Measuring range**

<b>L C K - 2</b> ■ ■ ■ - ■	
<b>1</b>	1...20 µS/cm
<b>2</b>	10...200 µS/cm
<b>3</b>	100...2000 µS/cm (¾" version not available)

**Process connection**

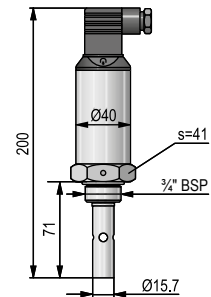
<b>L C K - 2</b> ■ ■ ■ - ■	
<b>1</b>	¾" BSP
<b>2</b>	1" BSP
<b>3</b>	¾" NPT
<b>4</b>	1" NPT
<b>T</b>	1½" TriClamp (ISO 2852)
<b>R</b>	2" TriClamp (ISO 2852)

**Output**

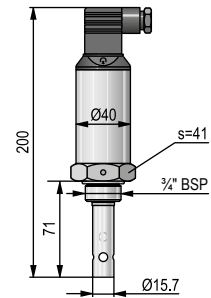
<b>L C K - 2</b> ■ ■ ■ - ■	
<b>2</b>	4...20 mA
<b>4</b>	4...20 mA + HART®

**Accessories (sold separately; see relevant page for details)**

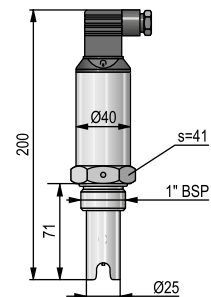
<b>P L K - 5 0 1 - 2</b>	Plug-in display
<b>P L K - 5 0 1 - 3</b>	Plug-in display with PNP output
<b>E A A - 1 5 9 - 0</b>	¾" BSP / 1" NPT (1.4571)
<b>S A T - 5 0 4 - ■</b>	HART®-USB/Bluetooth® modem
<b>S A K - 3 0 5 - ■</b>	HART®-USB/RS485 modem
<b>P ■ F - ■ ■ 1 ■ - ■</b>	Smart Field Display and Data Logger
<b>P ■ F - ■ ■ 0 1 - ■</b>	Loop Display



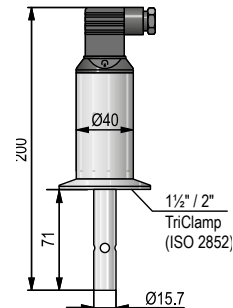
LCK-211



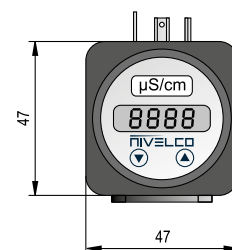
LCK-221



LCK-232



LCK-2□T/R



PLK-501

**NIV24**  
 PLK-501-2

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