

ANALYTICAL INSTRUMENTS

# AnaCONT

CONDUCTIVITY TRANSMITTERS



3 YEARS WARRANTY @ NIVELCO – WHERE ELSE?

# NIVELCO

ANALYTICAL INSTRUMENTS



## MAIN FEATURES

- Mini compact design
- Measuring range:  $1 \mu\text{S/cm}$  -  $2000 \mu\text{S/cm}$
- Application oriented measuring range selection
- Optional external plug-in display
- 4-20 mA, HART communication
- IP68 probe

## APPLICATIONS

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



## GENERAL DESCRIPTION

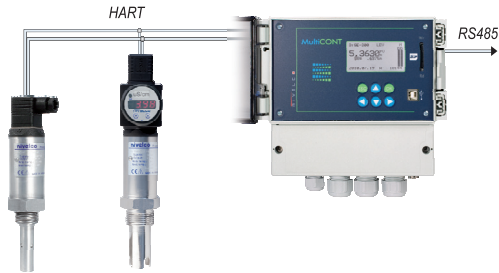
The AnaCONT 2-wire mini compact conductivity transmitters are designed to measure the conductivity of a liquid and convert the input signal to 4-20 mA output. They are suitable for measuring clean, non-crystallising liquids. The design of the transmitter and its applicability in wide temperature range allow its operation in diverse industrial applications.

## TECHNICAL DATA

Type		AnaCONT LCK mini compact
Measurement data	Range	$1 \mu\text{S/cm} - 20 \mu\text{S/cm}$ $10 \mu\text{S/cm} - 200 \mu\text{S/cm}$ $100 \mu\text{S/cm} - 2000 \mu\text{S/cm}$
	Measurement error	typically 3 % $\pm$ 1 digit (max. 5%)
Power supply		12-36 V DC galvanically 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, external
	Digital communication	4 - 20 mA + HART
Medium temperature		-10 °C ... +70 °C (14 °F ... +158 °F)
Medium pressure		0 - 1.6 MPa (0 - 16 bar g / 0 - 232 psi g)
Ambient temperature		0 °C ... +70 °C (32 °F ... +158 °F)
Sealing material		Viton
Ingress protection		Probe: IP 68 / Connector: IP 65
Housing material		1.4571 stainless steel
Probe material		1.4571 + PP
Electrical connection		Pg9 DIN 43650 connector
Electrical protection		Class III.

## AnaCONT IN SYSTEM WITH A PC

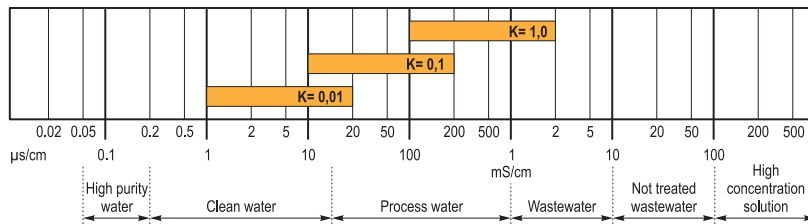
The instrument with HART output can be connected to a PC using a UNICOMM HART-USB modem. Max. 15 normal (non Ex) instruments can be connected to a HART line. Measured values can be visualised and/or the instruments can be programmed via digital HART communication. Applicable software: EView 2 configuration software or NIVISION process visualization software.



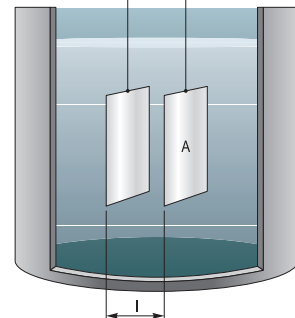
## AnaCONT IN SYSTEM WITH MultiCONT

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

## OPERATION



## PROBE



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

l = distance between electrodes  
A = electrode surface

## ORDER CODES

### AnaCONT mini compact conductivity transmitters

AnaCONT LCK - 2 ■ ■ - ■

Measuring range	Code	Proc. connection	Code	Output	Code
1-20 $\mu\text{S/cm}$ (K=0.01)	1	BSP 3/4"	1	4 - 20 mA	2
10-200 $\mu\text{S/cm}$ (K=0.1)	2	BSP 1"	2	4 - 20 mA + HART	4
100-2000 $\mu\text{S/cm}$ (K=1)	3	(only with K=1 probe)			

### Accessories

- UNICONT PLK-501-2 plug-in display
- UNICONT PLK-501-3 plug-in display with PNP output

