

**5 YEARS
WARRANTY***

NEW
PRODUCTS INSIDE

PRODUCT OVERVIEW

85
YEARS OF INNOVATION IN
INDUSTRIAL INSTRUMENT
MANUFACTURING

NIVELCO

2025/2

We are NIVELCO

IN THE MORE THAN FOUR DECADES SINCE ITS FOUNDING, NIVELCO HAS BECOME A GLOBALLY RESPECTED & LEADING PLAYER IN THE MARKET, AND HAS SOLD MORE THAN 1.5 MILLION INDUSTRIAL MEASURING DEVICES WORLDWIDE. WE ARE PROUD TO BE PRESENT IN MORE THAN 80 MARKETS THROUGH OUR SUBSIDIARIES & DISTRIBUTORS, AND TO HAVE OUR INSTRUMENTS USED WITH SATISFACTION IN MANY INDUSTRIES...



Oil & Gas



**Water &
Wastewater**



**Chemical &
Pharmaceutical**



**Food &
Beverage**



Agriculture



**Energy
Production**



**Construction
Materials**



**Packaging
Industry**



**Heavy
Industry**



**Marine &
Shipping**



**EXPLORE OUR CASE STUDIES
SHOWCASING SOLUTIONS
WORLDWIDE.**

LEVEL TRANSMITTERS

NON-CONTACT MICROWAVE

NEW

COMPACT

- Plastic, aluminum, or stainless steel housings
- Antenna versions in stainless steel, PP, PVDF, and PTFE
- Compact design with IP66/IP67 protection
- Plug-in graphic display (optional)
- NIFLANGE weldable stainless steel flanges
- High-temperature version

INTEGRATED

- Plastic housing
- Antenna versions in PP, PVDF, and PTFE
- Submersible – integrated design with IP66/IP68 protection
- Marine application

- 2-wire 80 GHz (W-band) radar
 - Accuracy of ± 2 mm
- Easy installation due to small antenna diameter
 - User-friendly threshold management
- Configuration via Bluetooth® with MobileView app
 - PACTware™ compatible
 - Explosion proof variants

- For measuring the level of liquids, emulsions, and other media up to 30 m
 - For free flowing solids
- Storage tanks, chemical tanks, open pits, sumps, wells
 - Measurement capability through plastic tanks
 - For material prone to vapor formation
 - For measuring liquids with a gas blanket
 - Can also be used in a vacuum
 - Open channel flow measurement

5 YEARS WARRANTY



Measured Values	Distance; Calculated values: Level, Volume, Mass, Flow		
Measuring Range	up to 30 m		
Supply Voltage	12...36 V DC		
Ambient Temperature	Standard version: -40...+70 °C; with display: -20...+70 °C; High-temperature version*: -40...+60 °C; with display -20...+60 °C		
Process Temperature	<div>Housing</div> <div> Plastic Aluminum Stainless steel </div>	Standard version: -40...+80 °C High-temperature version ⁽¹⁾ : -40...+200 °C	PVDF housing: -40...+80 °C; PP housing: -30...+80 °C
Process Pressure	PP, PVDF, PTFE antennas: -1...3 bar; Stainless steel antennas: -1...40 bar		-1...3 bar
Output/Communication	Bluetooth® LE 5.1 (optional), 4...20 mA + HART®, optional SPDT output, service interface		
Process Connection	1", 1½" BSP / NPT, TriClamp, prepared for welded flange		1", 1½" BSP / NPT
Ingress Protection	IP66 / IP67		IP66 / IP68
Certificates	ATEX, IECEx ⁽²⁾ , ANATEL, INMETRO		

⁽¹⁾ High-temperature version with metal housing and stainless steel antenna only.

⁽²⁾ In preparation.



PilOTREK WE-200



PilOTREK WP-200

LEVEL TRANSMITTERS

NEW

GUIDED MICROWAVE

CAPACITIVE

- 2-wire compact transmitter
- ± 5 mm accuracy
- High pressure, high-temperature range
- Wide range of probes; rod, cable, or coaxial probe versions
- Extremely small deadband
- Plug-in graphic display module
- Explosion-proof variants
- Plastic, aluminum or stainless steel housing
- Up to 30 m measuring range
- Tracking speed: 2000 m/h (555 mm/s)
- Advanced threshold management
- False echo exclusion
- Interface measurement
- Output Conversion Table (OCT, VMT) with up to 100 point pairs for accurate output linearization
- PACTware™ compatible
- Dual current output for interface measurement (optional)
- Level, distance, volume or interface measurement of liquids, powders, granules with $\epsilon_r > 1.4$
- Media with turbulent surface, dense dust, vapor or pressurized gas layers above the product surface
- For all tank shapes, for narrow vessels
- Heavy industrial applications

- 2-wire compact transmitter
- High sensitivity
- Rod (0.2...3 m) or cable (1...20 m) probe
- Plastic, aluminum or stainless steel housing
- Partially or fully insulated probe
- Plug-in display module
- 32-point linearization
- PACTware™ compatible
- Explosion-proof variants
- Distance, level and volume measurement of liquids, powders, granules, with $\epsilon_r > 1.5$ relative dielectric constant
- Chemicals with dense gas layers above the surface
- High pressure, high-temperature or vacuum
- Viscous or corrosive media

5 YEARS WARRANTY



Supply Voltage	12...36 V DC	12...36 V DC
Ambient Temperature	-30...+65 °C	-25...+70 °C
Process Temperature	-30...+200 °C	-30...+200 °C
Process Pressure	-1...40 bar	up to 40 bar
Output	4...20 mA, HART®, relay (optional)	4...20 mA, HART®
Process Connection	1", 1½" BSP / NPT, TriClamp, flanges or sanitary	1", 1½" BSP / NPT
Ingress Protection	IP67	Probe: IP68. Housing: IP67
Certificates	ATEX, IEC Ex, INMETRO, UKCA Ex	ATEX
Measuring Range	up to 30 m	up to 20 m



MicroTREK

NIVOCAP

LEVEL TRANSMITTERS

HYDROSTATIC

- 2-wire compact transmitter
- 1.4435 stainless steel diaphragm
- 18 measuring ranges from 0.1 bar
- Adjustable analog output
- Secondary overvoltage protection
- Long time stability
- Accuracy: 0.25%
- Plug in display module
- High-temperature range
- High overload capability
- Programmable delay
- PACTware™ compatible
- Level measurement of most foaming liquids and masses in tanks and vessels
- Viscous or corrosive materials
- Chemicals with dense vapor or gas layers above the surface

SUBMERSIBLE HYDROSTATIC

- 2 or 3-wire submersible transmitter
- Capacitive ceramic, piezoresistive stainless steel and piezoresistive ceramic sensor
- Stainless steel or fully plastic body
- Venting tube in cable (up to 450 m)
- Reverse polarity protection
- Optional lightning protection
- Linearity error: $\pm 0.25\%$
- Integrated Pt100 temperature sensor
- Explosion-proof variants
- Detachable variants
- PACTware™ compatible
- Level measurement of small diameter pipes, sewage, salt solutions, sea water, drinking water
- Borehole transmitter for the water industry

5 YEARS WARRANTY



10...36 V DC

-40...+70 °C

-25...+125 °C

up to 400 bar

-

½", 1", 1½" BSP, TriClamp, flanges

IP65

ATEX

12...30 V DC

-

-40...+80 °C

-

4...20 mA, HART®, 0...10 V

-

IP68

ATEX, UKCA Ex, BV (Marine)

up to 350 m



NIVOPRESS D

NIVOPRESS N

ADVANCED 80 GHz RADAR

Bluetooth®



PiloTREK W-200

ANYTHING GOES...

LEVEL TRANSMITTERS

MAGNETOSTRICTIVE

BYPASS LEVEL INDICATOR

INTEGRATED

COMPACT

- Low cost version
- 2-wire integrated transmitter
- 1 mm resolution
- Distance and level measurement
- Normal and mini rigid guide tube versions
- Stainless steel, titanium or plastic floats
- IP65 protection
- HART® communication

- Chemicals, solvents, hydrocarbons
- Level monitoring of tanks
- Interface measurement
- Level measurement of liquids, with min. 0.4 kg/dm³ density

- 2-wire compact transmitter
- 0.1 mm or 1 mm resolution
- Stainless steel, titanium or plastic floats
- Plug-in graphic display module
- 99-point linearization
- Distance, level and volume measurement
- PACTware™ compatible
- Explosion-proof variants

- Level measurement of normal and flammable liquids, with minimum 0.4 kg/dm³ density
- Interface measurement
- Chemicals, solvents, hydrocarbons
- Custody transfer measurement (OIML R 85)
- Oil industry ATG (Automatic Tanking Gauge)

- Operation without power supply
- Clearly visible display
- Stainless steel bypass chamber
- Error indication
- Optional MAK-100 / MAK-200 strap-on level switches
- Optional magnetostrictive level transmitter
- Accuracy: ±10 mm
- Titanium float
- High-temperature version
- Explosion-proof version
- Aluminum or stainless steel indicator housing
- Bypass measuring chamber version without indicator
- Level measurement of pressurized vessels, boilers and tanks

5 YEARS WARRANTY



Supply Voltage

12.5...36 V DC

–

Ambient Temperature

–40...+70 °C

–

Process Temperature

–40...+90 °C

–60...+250 °C

Process Pressure

up to 25 bar

up to 100 bar

Output

4...20 mA + HART®

–

Process Connection

1", 2" BSP / NPT

1", 2" BSP / NPT, TriClamp or flanges

DIN, ANSI flanges

Ingress Protection

IP65

IP67, IP68

IP65

Certificates

–

ATEX, IEC Ex, OIML R 85

ATEX, PED

Other

Measuring Range:
0.3...3.5 m



Measuring Range:
0.3...15 m



Medium Density:
min. 0.75 kg/dm³
Flange Distance (CL to CL):
500...5500 mm



NIVOTRACK

NIVOFLIP

LEVEL TRANSMITTERS

ULTRASONIC INTEGRATED

ULTRASONIC COMPACT

FOR LIQUIDS

FOR SOLIDS

FOR LIQUIDS

FOR SOLIDS

- Non-contact level metering ■ Narrow, 5° beam angle ■ Excellent signal processing ■ Temperature compensation
- 32-point linearization (99-point for SP-500 Pro) ■ Explosion-proof variants ■ Fail-safe indication

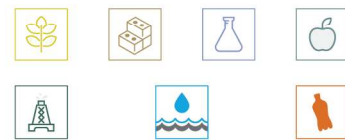
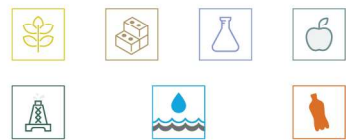
- 2-wire transmitter
- PP, PVDF, PTFE housing and transducers
- Advanced threshold management
- Quick start mode
- Faster measurement cycle
- Service Interface
- PACTware™ compatible (SP-500 Pro)
- Measurement of level and volume
- Open-channel flow metering
- For challenging applications such as vapor, fume, mixing blades, and light foam
- Level measurement of liquids, wastewater, aggressive chemicals and slurries

- 4-wire transmitter
- PP and aluminum housing transducers with PVC foam
- Joystick aiming device
- Level measurement of free flowing solids
- Level and volume measurement
- For challenging applications such as long distance measurement and light dust during filling

- 2- or 4-wire transmitter
- PP, PVDF, PTFE housing and transducers
- Plug-in display module
- Plastic, aluminum or stainless steel housing
- Advanced threshold management
- Quick start mode
- Faster measurement cycle
- PACTware™ compatible
- Measurement and display of level and volume
- Open channel flow measurement
- For challenging applications such as vapor, fume, mixing blades, and light foam

- 4-wire transmitter
- PP and aluminum housing transducers with PVC foam
- Joystick aiming device
- Plug-in display module
- Powder-coated aluminum housing
- PACTware™ compatible
- Measurement and display of level and volume
- For challenging applications such as long distance measurement and light dust during filling

5 YEARS WARRANTY



11...36 V DC

11.4...40 V DC;
11.4...28 V AC

2-wire: 12...36 V DC;
4-wire: 85...255 V AC, 20...28 V AC/DC

85...255 V AC; 11.4...40 V DC;
11.4...28 V AC

-30...+80 °C

-30...+60 °C

-30...+70 °C

-30...+60 °C

-30...+90 °C

-30...+60 °C

-30...+100 °C

-30...+75 °C

0.5...3 bar (absolute)

0.7...1.1 bar

0.5...3 bar (absolute)

0.7...1.1 bar

4...20 mA, HART®, relay

1" BSP, 1½" and 2" NPT

1" BSP and
joystick aiming device

1½", 2" BSP / NPT,
flange

joystick aiming device

IP68

IP65

IP67

IP65

ATEX, INMETRO, UKCA Ex

ATEX, EAC Ex

ATEX, INMETRO, UKCA Ex

ATEX

Measuring Range:
0.15...25 m
(Pro: 0.15...18 m)

Measuring Range:
0.6...60 m

Measuring Range:
0.2...25 m

Measuring Range:
0.6...60 m



EasyTREK & EasyTREK Pro

EasyTREK

EchoTREK

EchoTREK

LEVEL SWITCHES

FLOAT

- Operation without power supply
- Low cost polypropylene level switch
- Airtight, dual-walled chamber
- Mercury-free microswitch
- PVC or neoprene cable
- Adjustable switch differential
- Variants for potable water
- For low density liquids
- Suitable also for tanks and basins
- Industrial and communal sewage
- Suitable for drinking water
- Fail-safe indication and pump control
- Overfill protection

3 YEARS WARRANTY

CONDUCTIVE

- Reasonable price
- Limit switch or differential switch versions
- Hysteresis mode
- Adjustable sensitivity and delay
- High or low fail-safe mode
- All wetted parts stainless steel
- Compact unit with two independent relays
- Separate probe and relay unit
- Rod probes up to 3 m
- Conductive liquids with minimum 10 $\mu\text{S}/\text{cm}$ conductivity
- Fail-safe indication and pump control

5 YEARS WARRANTY

MAGNETIC COUPLING

- Operation without power supply
- Microswitch separated from the process
- All wetted parts stainless steel
- Side or top mounting
- Fixed or adjustable switch differential
- Submersible versions
- Various process connections
- Operational check via optional tester
- Flame-proof variants
- NIFLANGE weldable stainless steel flange variants
- SIL 1
- Painted aluminum or stainless steel housing
- Liquids with min. 0.7 kg/dm^3 density
- Fail-safe and control level switches in closed tanks
- Ballast tanks of ships



Supply Voltage

–

24...240 V AC/DC

–

Ambient Temperature

–

–20...+50 °C

–20...+80 °C

Process Temperature

0...+50 °C

up to +200 °C

–40...+250 °C

Process Pressure

NL-100: up to 1 bar,
NW-100: up to 2 bar

up to 16 bar

up to 25 bar

Switch Rating

250 V AC, 10(3)A

250 V AC, 16 A / 8 A

250 V AC, 10 A NO/NC

Process Connection

–

3/8", 1 1/2" BSP

flanges, 2" BSP / NPT

Ingress Protection

IP68

IP20, IP67

IP65, IP68

Certificates

–

–

ATEX, IEC Ex, INMETRO, SIL 1,
DNV (Marine), BV (Marine)

Microswitch: 1 or 2



NIVOFLOAT



NIVOCONT K



NIVOMAG

LEVEL SWITCHES

MAGNETIC TRACKING	VIBRATING FORK	
	FOR LIQUIDS	FOR SOLIDS
<ul style="list-style-type: none"> Operation without power supply Reed switch output Wetted parts stainless steel or plastic Up to 5 switching points Vertical adjustability of all switching points Various process connections Flame-proof variants <ul style="list-style-type: none"> Liquids with minimum 0.4 kg/dm³ density Multi-point level switch in closed tanks Foaming liquids, chemicals with dense vapor or gas layer above the surface 	<ul style="list-style-type: none"> No moving parts Stainless steel and plastic-coated probes Pipe extension up to 3 m Various output configurations High or low fail-safe mode Plastic, aluminum or stainless steel housing Explosion-proof variants For corrosive, thick, turbulent, flowing liquids NIFLANGE weldable stainless steel flange variants Process pressure: up to 40 bar <ul style="list-style-type: none"> Most liquids with minimum 0.7 kg/dm³ density and maximum 10⁴ mm²/s viscosity 	<ul style="list-style-type: none"> No moving parts Stainless steel probes Pipe extension up to 3 m Various output configurations Selectable density High or low fail-safe mode Plastic, aluminum or stainless steel housing NIFLANGE weldable stainless steel flange variants Dust-Ex variants <ul style="list-style-type: none"> Granules and powders with minimum 0.01 kg/dm³ bulk density
5 YEARS WARRANTY	3 YEARS WARRANTY	
    	   	
–	20...255 V AC, 20...60 V DC	
–40...+95 °C	–40...+70 °C	
–40...+150 °C	–40...+130 °C	
up to 25 bar	up to 40 bar	
250 V AC, 3 A	1 or 2 relays (SPDT), 2-wire AC / DC, transistor (PNP, NPN)	
1", 2" BSP / NPT, TriClamp or flanges	1" BSP / NPT, 1½", 2" TriClamp, flanges or sanitary	1" BSP/NPT, 1½", 2" TriClamp or flanges
IP67, IP68	IP67, IP68, IP65	
ATEX, BV (Marine)	ATEX, IEC Ex, UKCA Ex, DNV (Marine)	ATEX
		
NIVOPOINT	NIVOSWITCH	

LEVEL SWITCHES

VIBRATING ROD

- No moving parts
- Self-cleaning for most mediums
- Stainless steel vibrating section
- Pipe (0.3...3 m) or flexible cable extension (1...20 m)
- Plastic or aluminum housing
- Selectable density
- High or low fail-safe mode
- Selectable switching delay
- Dust-Ex variants
- Granules and powders with min. 0.05 kg/dm³ bulk density
- For grain, flour, plastic granules, cement, fly ash, etc.

5 YEARS WARRANTY

ROTARY PADDLE

- Plastic or aluminum housing
- Long service time
- Motor shut-off feature
- Flexible coupling
- Wide range of paddles
- Solid pipe or flexible cable extension (0.3...3 m)
- Sealed bearings
- Status indicator LED
- High-temperature version
- Dust-Ex variants
- Rotary force independent of the supply voltage
- Low supply voltage is indicated by a blinking LED
- Granules and powders with minimum 0.1 kg/dm³ density
- High or low fail-safe
- Feed, coal, sand, rocks, limestone, metals, rubber, etc.

3 YEARS WARRANTY

RF-CAPACITANCE

- Intelligent electronic level switch
- Build-up immunity
- Easy calibration
- Selectable sensitivity
- Fail-safe operation mode
- Solid pipe (0.7...3 m) or flexible cable extension (1...10 m)
- High-temperature version
- Dust-Ex variants
- For solids with $\epsilon_r \geq 1.5$ and liquids
- For high viscosity, sticky materials
- Designed for special applications such as hopper plugging and hot ash

5 YEARS WARRANTY



Supply Voltage	20...255 V AC/DC	230 V AC, 120 V AC, 24 V AC, 24 V DC	20...250 V AC / 20...50 V DC
Ambient Temperature	-30...+60 °C	-30...+60 °C	-30...+65 °C
Process Temperature	-30...+160 °C	-20...+200 °C	-30...+235 °C
Process Pressure	up to 25 bar	up to 3 bar	up to 16 bar
Output	relay (SPDT) or electronic switch (SPST)	250 V AC 5 A, AC1	relay (SPDT) or electronic switch (SPST)
Process Connection	1½" BSP / NPT	1¼ NPT; 1", 1½" universal; mounting plate	¾", 1", 1½" BSP / NPT, 1¼" NPT
Ingress Protection	IP67		
Certificates	ATEX, IEC Ex, UKCA Ex, KCs Ex	ATEX, UKCA Ex	ATEX, IEC Ex



NIVOCONT R



NIVOROTA



NIVOCAP CK

ANALYTICAL TRANSMITTERS

pH / ORP

- 2-wire compact and integrated transmitter
- Plug-in graphic display module
- Temperature compensation
- Separated version up to 10 m
- Glass, polycarbonate probes
- Wide probe selection to suit a host of applications
- Wide selection of accessories
- Power relay output, programmable
- Explosion-proof variants
- Continuous pH or redox potential (ORP) measurement of highly alkaline mediums, suspensions, contaminated fluids, emulsions

DISSOLVED OXYGEN

- 2-wire compact transmitter
- Wide probe selection to suit a host of applications
- Plug-in graphic display module
- Temperature compensated
- Separated version up to 10 m
- Power relay output, programmable
- Wide selection of accessories
- Explosion-proof variants
- Continuous dissolved oxygen measurement of surface waters, aeration processes, swimming pool equipments

CONDUCTIVITY

- 2-wire mini compact transmitter
- Wide range of measurement
- Plug-in display
- Wide probe selection to suit a host of applications
- Wide selection of accessories
- PACTware™ compatible
- Continuous conductivity measurement of swimming pool technology and drinking water equipment
- Water purification

5 YEARS WARRANTY



Supply Voltage

12...36 V DC

Ambient Temperature

-30...+70 °C

0...+70 °C

Process Temperature

-15...+100 °C

-10...+70 °C

Process Pressure

up to 16 bar

up to 1 bar

up to 16 bar

Output

4...20 mA, HART®, relay

4...20 mA, HART®

Process Connection

1½" BSP / NPT

¾", 1" BSP / NPT;
1½", 2" TriClamp

Ingress Protection

IP67, IP68

Probe: IP68, Housing: IP67

Probe: IP68, Connector: IP65

Certificates

ATEX

—

Measuring Range

pH: 1...14 pH
ORP: ±1000 mV

0...10 ppm,
0...20 ppm

1...20 µS/cm
10...200 µS/cm
100...2000 µS/cm















AnaCONT LEP / LER

AnaCONT LED

AnaCONT LCK

TEMPERATURE MEASUREMENT

TEMPERATURE TRANSMITTER	MULTI-POINT TEMPERATURE TRANSMITTER	
	FOR LIQUIDS	FOR SOLIDS
<ul style="list-style-type: none"> 2-wire compact transmitter Plug-in graphic display Integral Pt100 temperature sensor Stainless steel or PFA-coated probes Probe length up to 3 m Aluminum or plastic housing 4...20 mA, HART® communication Fully programmable Heavy duty field mountable housing Explosion-proof variants NIFLANGE weldable stainless steel flange variants Transmission to long distances Versions for tanks, vessels, pipelines Temperature measurement and local indication of normal and hazardous liquids and gases 	<ul style="list-style-type: none"> 2-wire multi-point temperature transmitter Digitally addressed sensors Up to 15 sensors Average, max, min temperature measurement Plug-in graphic display Rigid or flexible probes System capability Replaceable sensors PACTware™ compatible Intrinsically safe variants Continuous multi-point temperature measurement, display, transmission and trending of normal and hazardous liquids 	<ul style="list-style-type: none"> 2-wire multi-point temperature transmitter Digitally addressed sensors Up to 15 sensors Average, max, min temperature measurement Plug-in graphic display Flexible plastic-coated probe version Rigid or flexible probes System capability Replaceable sensors PACTware™ compatible Intrinsically safe and Dust-Ex variants Continuous multi-point temperature measurement, display, transmission and trending of powdered and granular solids in storage silos, grain mills, animal feeds
5 YEARS WARRANTY		
  	  	  
Supply Voltage	10...36 V DC	11...36 V DC
Ambient Temperature	-40...+70 °C	-30...+65 °C
Process Temperature	-	-
Process Pressure	max. 25 bar	-
Output	4...20 mA, HART®	
Process Connection	½", ¾", 1" BSP, ½" NPT, M20×1.5, TriClamp, flanges or sanitary	1"; 1½" BSP / NPT; M20×1.5
Ingress Protection	Probe: IP68, Housing: IP65	Probe: IP66, IP68, Housing: IP67
Certificates	ATEX	
Other	Measuring range: -50...+600 °C 	Measuring range: -40...+125 °C Number of Sensors: up to 15 Probe Length: rigid probe: 1...4 m; flexible probe: 1...50 m 
		Measuring range: -40...+85 °C Number of Sensors: up to 15 Probe Tensile Force: 35 kN Probe Length: 1...50 m 
THERMOCONT TT		THERMOPPOINT

TEMPERATURE MEASUREMENT

TEMPERATURE SENSOR	ENCAPSULATED TEMPERATURE SENSOR	STRENGTHENED PROBE TEMPERATURE SENSOR
<ul style="list-style-type: none"> Single or dual Pt100 sensor versions 2, 3 or 4 wire types Fast response sensor version Stainless steel protection tube Up to 500 mm insertion length Temperature metering in bearing, baking tray Mounting bolts allow the sensors to be screwed into various threads For temperature control of heated tools Bearing temperature sensing for motors, pumps 	<ul style="list-style-type: none"> Single or dual Pt100 sensor versions 2 or 4-wire types Double sensor protection tube Fast response sensor version Plastic-coated or stainless steel protection tube Up to 3 m insertion length Explosion-proof variants Can be mounted to special technological places, tanks, tubes, furnaces or boilers Special versions for unique applications Temperature measurement of liquids, gases, vapors Coated version for temperature measurement in aggressive media 	<ul style="list-style-type: none"> Robust design for heavy chemical industry Stainless steel, drilled, tapered thermowell case Up to 800 mm insertion length Sensor can be replaced without removing the device from the process 2 or 4-wire types Plug-in graphic display Welded flange Gas thermometer version Explosion-proof variants Temperature measurement of liquids, gases, vapors Special versions for unique applications For applications exposed to mechanical damage
5 YEARS WARRANTY		
		
-	-	-
-30...+100 °C	-20...+80 °C	-30...+80 °C
-	-	-
max. 1 bar	up to 25 bar	up to 80 bar
-	-	-
M20×1.5; M8×1, integrated cable version up to 12 m	M20×1.5, ½" BSP / NPT, ⅜" BSP or flanges	1" NPT or flanges
IP65, IP54	IP67	IP65, IP67
-	ATEX	ATEX
Measuring Range: -50...+200 °C Sensor Type: Pt100	Measuring Range: -50...+600 °C Sensor Type: Pt100	Measuring Range: -50...+600 °C Sensor Type: Pt100, or J, K thermocouple
		
THERMOCONT TG / TF	THERMOCONT TSP	THERMOCONT TN / TX



Simplify Your Selection, Maximize Your Results!

GET A QUOTE

next.nivelco.com



INDUSTRIAL SENSORS

ULTRASONIC PROXIMITY SENSOR

- Non-contact distance metering
- Analog or switch output
- Narrow, 5° beam angle
- Fully temperature compensated
- Metal or PP body
- Magnet or cable programming
- Short circuit and reverse polarity protection
- Status indication LED
- Maintenance-free
- Position, distance detection used in packaging equipment
- Monitoring of filling equipment, small transport vehicles, trolleys, fork-lifts, material or object detection on conveyor belts

5 YEARS WARRANTY



10.8...30 V DC

-20...+70 °C

-

-

0...10 V, 4...20 mA, NPN / PNP switch

IP67, IP68

-

Ranges: 0.2...1 m / 0.4...6 m



DISCONTINUING PRODUCT

MICROSONAR

FLOW MEASUREMENT

OPEN-CHANNEL

- 9 different sizes, compact versions of Parshall flumes made of plastic (PP)
- Factory calibrated dimensions
- Level transmitters are sold separately: EasyTREK or EchoTREK
- 4...20 mA, HART® communication
- For open-channels, treated effluent sewage measurements
- Certification of measurement
- For open-channels, gravitational channels
- Measurement of feed or process water
- Yield measurement of irrigation canals
- Treated sewage effluent measurement

3 YEARS WARRANTY



12...36 V DC, 20...28 V AC/DC, 85...255 V AC

-

-

-

4...20 mA, HART®

-

IP65, IP67 / IP68

-

Measuring range: 0.94...6627 m³/h
Level transmitters: PiloTREK, EasyTREK, EchoTREK



NIVOSONAR

PRESSURE SENSORS

PRESSURE SWITCHES

- Relative or absolute measuring mode
- Configurable 4-digit swivel display module
- Configurable via PC or programming device
- Stainless steel housing versions
- Ex ia variants⁽¹⁾
- Integrated cable version
- Gases, steam, liquids, viscous, pasty or highly contaminated media
- Pneumatic, hydraulic and mechanical engineering applications
- Plant and machine engineering, HVAC, environmental engineering
- For rough and harsh conditions
- Hygienical versions

PRESSURE TRANSMITTERS

- Relative or absolute measuring mode
- For high pressures (up to 2200 bar)
- For vacuum, overpressure and absolute pressure measurement
- Measurement range turndown
- Two-chamber cast aluminum or stainless steel housing
- Optional plug-in graphic display
- Ex ia or Ex d variants⁽¹⁾
- SIL 2 version⁽¹⁾
- Water, waste water, fuel and oil, aggressive media, gases
- Plant and machine engineering, hydraulics, HVAC
- Environmental engineering, medical technology, laboratory techniques
- For potable water

DIFFERENTIAL PRESSURE TRANSMITTERS

- Relative measuring mode
- Measurement range turndown
- Up to 2 contacts
- Cast aluminum housing
- Static overpressure 400 bar
- High accuracy
- Mechanical robust versions
- Hastelloy® sensor version
- Optional plug-in graphic display
- Ex ia variants⁽¹⁾
- Measurement of pressure difference of gases, compressed air and liquids in closed, pressurized tanks
- Plant and machine engineering, HVAC
- Compact design versions for integration in applications with limited space

5 YEARS WARRANTY



Sensor	silicon, ceramic, stainless steel	ceramic, stainless steel	silicon, stainless steel
Ambient Temperature	-40...+85 °C		
Process Temperature	-40...+125 °C	-40...+300 °C	-40...+125 °C
Nominal Pressure Gauge	-1...600 bar	-1...2200 bar	0...70 bar
Accuracy	0.25%; 0.5%, 1%	0.1%; 0.2%; 0.25%; 0.5%	0.075%, 0.1%, 0.5%, 1%
Output	1, 2 or 4 PNP contacts	4...20 mA, 0...10 V, HART®	
Process Connection	1/8", 1/4", 1/2", 3/4", 1", 1 1/2", 2" BSP; 1/4", 1/2" NPT, M20×1.5, TriClamp, flanges or sanitary	1/4", 1/2", 3/4", 1", 1 1/2" BSP; 1/4", 1/2", 1" NPT, M20×1.5, TriClamp, flanges or sanitary	Ø6.6 × 11 (for flex. tubes Ø6), Ø4.45 × 10 (for flex. tubes Ø4), 1/4", 1/2" BSP / NPT, M20×1.5 or flanges
Ingress Protection	IP54, IP65, IP67	IP65, IP67, IP68	IP54, IP65, IP67

⁽¹⁾If an Ex version is required, please request a custom quote based on the information in the price list.
Orders based on the quote will be considered official.



NIPRESS DK



NIPRESS D



NIPRESS DD

SIGNAL PROCESSING UNITS

MULTICHANNEL PROCESS CONTROLLER

- Provides a flexible solution to commissioning process control systems containing HART®-based intelligent (level, temperature or pressure) transmitters
- Easy-to-read backlit LCD/OLED display
- Data logger memory: built-in 4 MB Flash memory SD card slot: max. 32 GB
- Tank visualization
- Simple 6-key programming
- Transmitter diagnostic capabilities
- Ex flameproof input variants
- Remote programming, displaying of transmitters
- Universal interface module expansion via RS485

NEW

SMART FIELD DISPLAY & DATA LOGGER

- Provides a flexible solution to commissioning process control systems containing HART®-based intelligent (level, temperature or pressure) transmitters
- 4-key interface
- For 1 transmitter with HART® output
- Ex variant
- Data logging to internal memory
- Remote programming, displaying of transmitter's data
- Process controller for transmitters
- Displaying measured data in numerical and bargraph mode
- Data transmission via RS485 (via Modbus protocol)
- Simple data-logging function
- Trend or flow-measurement logging

UNIVERSAL CONTROLLER / INDICATOR

- Programmable inputs
- Wide range of thermocouples (K, J, S...)
- Wide range of resistive thermal devices (Pt, JPt, Cu...)
- 0...20 mA, 4...20 mA, 0...10 V, 0...5 V, 1...5 V, and 0...100 mV inputs
- Dual LED, 4-digits
- Heavy-duty relay contacts or analog output
- 4...20 mA output
- ON-OFF, PD or PID control
- Auto-tuning feature
- 32-point linearization
- Current transformer (CT) input
- Temperature display of process values
- Switching, control or transmitting tasks
- Heating / cooling control
- Alarm

5 YEARS WARRANTY

3 YEARS WARRANTY



Supply Voltage	11.4...40 V DC; 11.4...28 V AC; 85...255 V AC	2-wire: 4...20 mA loop powered 4-wire: 8...30 V DC, max. 250 mW	100...240 V AC; 20...48 V AC, 22...65 V DC
Ambient Temperature	-20...+50 °C	-20...+70 °C	-10...+55 °C
Input	1...15 HART® devices	1 device	universal
Output	Internal: max. 2× 4...20 mA, max. 5× relays (SPDT) External: max. 16× 4...20 mA via RS485, max. 64× relays (SPDT)	4...20 mA, Solid State Relay (SSR), RS485, Data logger (32 MB)	relay, 4...20 mA, RS485, SSR driver
Ingress Protection	IP65	IP67	IP20 / IP54
Certificates	ATEX, IEC Ex, INMETRO, UKCA Ex	ATEX, INMETRO	-
Other	Storage Medium: SD card (max. 32 GB) Flash Memory ⇒ USB	Display: SAP-300 graphic display	Display: dual 4-digits LED display




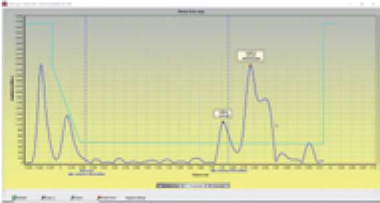





MultiCONT

MonoCONT

UNICONT PM

SOFTWARE

PROCESS VISUALIZATION	HART® CONFIGURATION SOFTWARE	CONFIGURATION APP
<ul style="list-style-type: none"> ▪ Communication with intelligent transmitters or switches and controllers ▪ Tank configuration ▪ Transmitter configuration ▪ Client-server (1+15) or web browser based ▪ Multiple alarm setpoints per measuring device ▪ Real-time trend analysis ▪ Data logging ▪ Database handling ▪ Archiving ▪ "Web-Ready" symbols and animations ▪ Remote connection on the Internet ▪ Custom-tailored software for industrial process visualization ▪ Online monitoring of measured values ▪ Tank-farm visualization ▪ Alarm systems ▪ Inventory management 	<ul style="list-style-type: none"> ▪ Free configuration program ▪ Remote programming and data retrieval for up to 15 HART®-enabled transmitters in a multidrop loop ▪ Handling linearization table entries ▪ Echo Map ▪ Sensor calibration ▪ Measurement data monitoring ▪ Handling multiple HART® modems ▪ For easy setup and configuration ▪ Remote programming ▪ Displaying measurement data ▪ Error detection ▪ Limited trend monitoring 	<ul style="list-style-type: none"> ▪ Direct connection to transmitters with Bluetooth® ▪ Live diagram display (trend), with automatic (~3 s) update ▪ Echo list display with automatic update ▪ Manually updates echo chart display ▪ Current PV and SV values of transmitters display already in the device selector's initial screen ▪ Full product identification, unique user ID ▪ Log file saving ▪ Commissioning wizard ▪ Maintenance wizard ▪ Testing / Verification ▪ Settings / Customization
<p>Operation System: MS Windows 10, 8, 7, Vista, XP, 2000</p> <p>Input port: RS232, RS485, USB</p> <p>Free disk space required: min. 5 GB</p>	<p>Operation System: MS Windows 10, 8, 7, Vista, XP, 2000</p> <p>Free disk space required: 100 MB</p> <p>Memory: 512 MB RAM</p> <p>HART® modem: UNICOMM SAT-304, SAK-305, SAT-504</p>	<p>Operation System: Android 10+; iOS 12+</p> <p>Connection: Bluetooth®, HART®</p> <p>Language: EN, DE, HU, CZ, TR, RO, HR</p> <p>Help: WiFi or mobile internet required</p> <p>Required permissions: Bluetooth®, Location</p> <p>Compatible devices: PiloTREK WP, WE-200; UNICOMM SAT-504-2</p>
<p>Download demo:</p>  	<p>Free download:</p>  	<p>Free download:</p>   
NIVISION	EView2	MobileVIEW

SYSTEM COMPONENTS

UNIVERSAL INTERFACE MODULE

- Universal expander module for MultiCONT
- RS485 communication
- Output variations:
 - 2× 4...20 mA current outputs
 - 2× Programmable relay outputs (250 V AC, 8 A)
 - For mixed systems: 1× current output and 1× relay
- DIN-rail-mountable
- Level controlling and limit level indication
- Expanding a process control system with 2 relays or 2 current outputs
- For mixed systems: with 1 relay and 1 current output version
- Provides galvanic isolation

CURRENT CONTROLLED SWITCH MODULE

- Suitable interface for devices having 4...20 mA or on-off outputs
- Can power 2-wire transmitters
- Galvanic isolation
- 4...20 mA input
- Power relay (SPDT) output
- Limit, differential or window switch capabilities
- Programmable damping
- Explosion-proof variants
- Power supply and switching amplifier for 2-wire transmitters
- Switching amplifier for 4-wire active transmitters
- Dedicated switching amplifier version for the RC-400 range of Ex rated vibrating forks
- Wire state monitoring
- ON-OFF control

LOOP DISPLAYS

- Loop-operated
- Operation without external power supply in 2-wire type
- Field display for transmitters
- Scalable display
- 20 mm digit height
- 4...20 mA to HART® converter version
- Heavy duty field mountable housing
- Aluminum, stainless steel or plastic housing
- Flameproof variants
- Universal field display for any transmitters
- Selectable physical parameter set
- Display of process values supplied by any transmitter
- If used as HART® converter, powers 2-wire transmitters

5 YEARS WARRANTY



Supply Voltage

24 V DC

110 V AC, 230 V AC, 24 V AC/DC

10...36 V DC

Ambient Temperature

–20...+50 °C

–25...+55 °C

–25...+70 °C

Input

RS485 interface

4...20 mA

Output

- 2× relay 250 V AC, 8 A, AC1
- 2× current outputs (4...20 mA)
- 1× relay + 1 current output

250 V AC, 8 A, AC1

4...20 mA,
4...20 mA + HART®

Display

–

–

6-digits LCD

Process Connection

DIN rail mounted (module width: 36 mm)

–

Ingress Protection

IP20

IP67

Certificates

ATEX, UKCA Ex

ATEX, INMETRO
















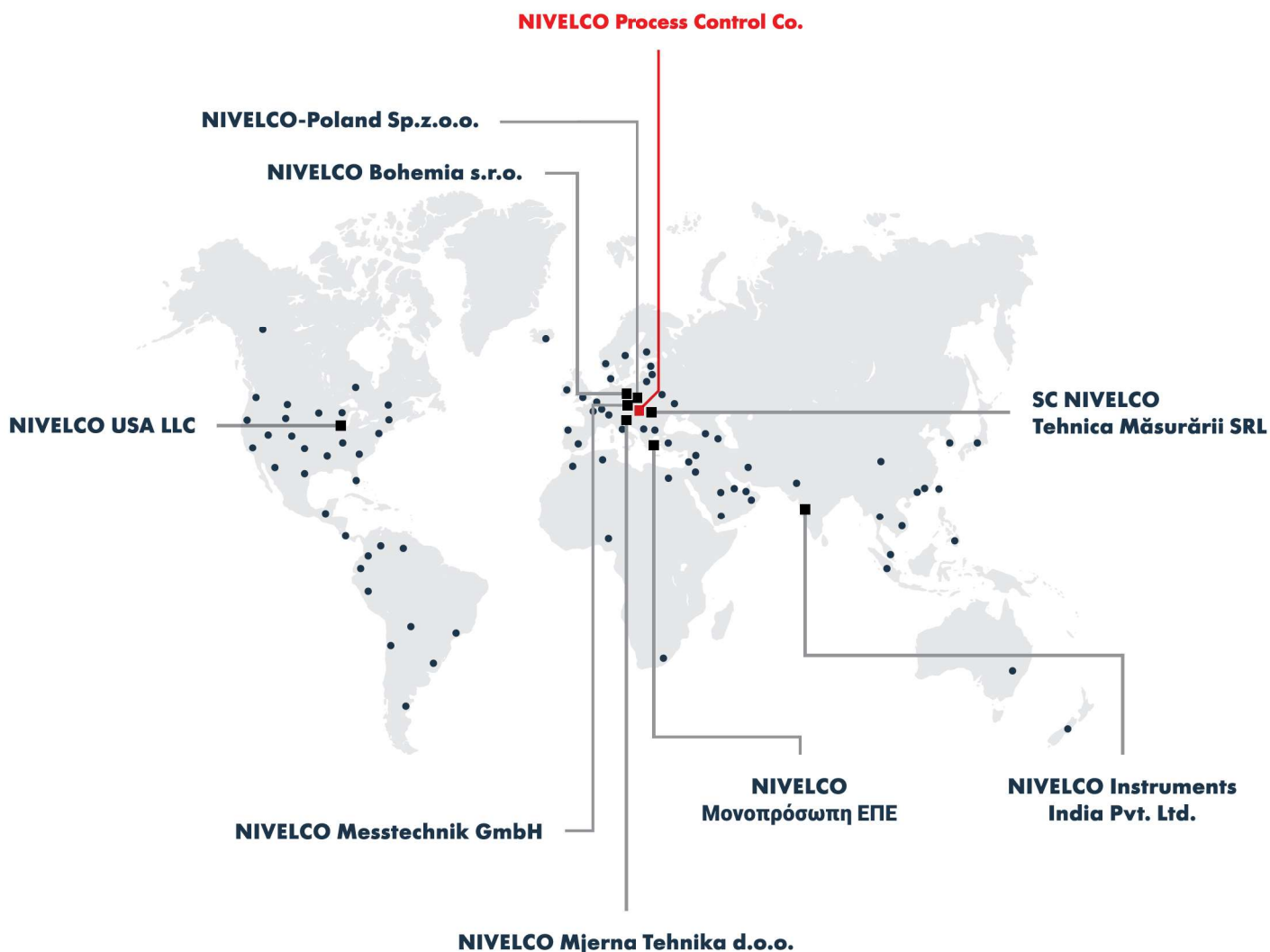
UNICONT PJK

UNICONT PKK

UNICONT PDF / PLK

SYSTEM COMPONENTS

INTRINSICALLY SAFE ISOLATOR MODULE	SWITCHING-MODE POWER SUPPLY MODULE	TIME RELAY MODULE	COMMUNICATION MODULE
<ul style="list-style-type: none"> Isolated power supply for intrinsically safe transmitters DIN rail mountable Compatible with all devices using standard HART® communication For high-precision transmitters For transmitters operating in hazardous applications For supplying and isolating certified measurement devices 	<ul style="list-style-type: none"> DIN rail mountable Stabilized 12 V / 24 V DC output Switching-mode power supply Short-circuit protection Overload, overvoltage, overcurrent protection Power supply for transmitters and sensors For inductive, capacitive proximity switches For infrared or ultrasonic proximity sensors 	<ul style="list-style-type: none"> 2- and 10-function types Wide time range Small size Universal supply voltage DIN rail mountable Relay output Process controlling of repeated tasks Timed cycling of pumps or compressors Timing of technological equipments Sequential control 	<ul style="list-style-type: none"> Communication interface between transmitters and computer No external power supply required for USB connection Transmission of measurement data to a computer For integration into a measurement system On-site configuration, parameter setting Galvanic isolation SAT-504: <ul style="list-style-type: none"> Bluetooth® compatibility Portable design with test clip connector Firmware update for transmitters 24 V current loop supply voltage Power supply from power bank Switchable HART® resistor SAT-506: <ul style="list-style-type: none"> USB connection Can be plugged into the display port Firmware update for transmitters Data logger readout SAK-305: <ul style="list-style-type: none"> USB or RS485 connection Intrinsically safe design
5 YEARS WARRANTY	3 YEARS WARRANTY		5 YEARS WARRANTY
			
			
			
20...35 V DC	100...240 V AC / 50...60 Hz	12...240 V AC/DC	supplied from USB / 24 V DC / power bank
Output voltage: 24 V DC Ambient temperature: -20...+60 °C Input / Output: 4...20 mA + HART® Accuracy: 1 µA, 8 µA Response time: 5 ms, 100 ms	Consumption: max. 60 VA / 33 W Output Voltage: 12 V DC (11...13 V DC adjustable), 24 V DC (23...25 V DC adjustable) Operating temperature: -20...+50 °C Electrical connection: Terminal, wire cross section: max. 2.5 mm²	Time ranges: 0.1 s...100 days Output: relay, 250 V, 16 A, AC1	Input: HART® (KLEPS2 or screw terminal) Output: USB / RS485 / Bluetooth® (BLE, 5.x)
DIN rail mounted (module width: 22.5 mm)	DIN rail mounted (module width: 35 mm)	DIN rail mounted (module width: 17.6 mm)	DIN rail mounted (SAK-305), portable version (SAT-504), or can be plugged into the display port (SAT-506)
IP20			IP20
ATEX, IEC Ex			ATEX (SAK-305)
			
UNICONT PGK	NIPOWER	NITIME	UNICOMM



leveg25en044b // *5-year warranty on most NIVELCO products. Information is accurate to the best of NIVELCO's knowledge. We reserve the right to change specifications at any time.



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