NEW
PRODUCTS INSIDE

PRODUCT OVERVIEW

2022

40 YEARS

NIVELCO

We are NIVELCO

In the four decades since NIVELCO's inception, it has become a recognized and leading player in the global market, selling more than a million industrial measuring instruments worldwide. We are proud that our company is present in the markets of more than 80 countries through our subsidiaries and distributors and that our devices are used with satisfaction in many industries…

Read more

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EView2

LEGEND

Water & wastewater industry

Food & beverage

Packaging industry

Construction materials

Heavy industry

Oil & gas

Agriculture

Chemical and pharmaceutical

Energy production

LEVEL TRANSMITTERS

	NON-CONTACT MICROWAVE		**NEW** GUIDED MICROWAVE
	COMPACT	INTEGRATED	

NON-CONTACT MICROWAVE

COMPACT	INTEGRATED
- Plastic, aluminum or stainless steel housing - Stainless steel parabolic, horn or plastic-coated antenna - Plug-in graphic display module - High-temperature variant	- Plastic housing - Horn, planar or parabolic antenna - Stainless steel or plastic-coated sensor - Where IP68 is needed

- 2-wire transmitters
- 25 GHz (K-band) measuring signal
- Non-contact level metering
- Accuracy up to ±3 mm
- Measuring range up to 23 m
- 99-point linearization
- Explosion-proof variants

- Level measurement of liquids, emulsions and other chemicals

GUIDED MICROWAVE

- 2-wire compact transmitter
- ±5 mm accuracy
- High pressure
- High-temperature range
- Wide range of probes
- Extremely small deadband
- Rod, cable, or coaxial probe versions
- Plug-in graphic display module
- Explosion-proof variants
- Plastic, aluminum or stainless steel housing
- Up to 30 m measuring range
- Tracking speed: 900 m/h (= 25 cm/s)
- Advanced threshold management
- False echo exclusion
- Probe Correction Table (SCT)

- Level, distance or volume measurement of liquids, powders, granules with $\varepsilon_r > 1.4$
- 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

5 YEARS WARRANTY

	NON-CONTACT MICROWAVE		GUIDED MICROWAVE
Supply Voltage	20…36 V DC		12…36 V DC
Ambient Temperature	−20…+60 °C		−30…+60 °C
Process Temperature	−30…+180 °C	−30…+100 °C	−30…+200 °C
Process Pressure	−1…25 bar	−1…3 bar	up to 40 bar
Output	4…20 mA, HART®		4…20 mA, HART®, relay (optional)
Process Connection	1½", 2", or flanges or sanitary		
Ingress Protection	IP67	IP68	IP67
Certificates	ATEX, IEC Ex, INMETRO		ATEX, IEC Ex, INMETRO, UKCA Ex
Other			Measuring Range: 0…30 m

| **PiloTREK** | **MicroTREK** |

LEVEL TRANSMITTERS

CAPACITIVE	HYDROSTATIC	SUBMERSIBLE HYDROSTATIC
• 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 • Explosion-proof variants • Distance, level and volume measurement of liquids, powders, granules, with $\varepsilon_r > 1.5$ relative dielectric constant • Chemicals with dense gas layers above the surface • High pressure, high-temperature or vacuum • Viscous or corrosive media	• 2-wire compact transmitter • 1.4435 stainless steel diaphragm • 18 measuring ranges from 0.1 bar • Adjustable analogue output • Secondary overvoltage protection • Long time stability • Accuracy: 0.25% • Plug in display module • High-temperature range • High overload capability • Programmable delay • 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	• 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: ±0.25% • Integrated Pt100 temperature sensor • Explosion-proof variants • Level metering of small diameter pipes, sewage water, saline solutions, sea water, potable water • Borehole transmitter for the water industry

<div align="center">5 YEARS WARRANTY</div>

	CAPACITIVE	HYDROSTATIC	SUBMERSIBLE HYDROSTATIC
Supply Voltage	12…36 V DC	10…36 V DC	12…30 V DC
Ambient Temperature	−25…+70 °C	−40…+70 °C	
Process Temperature	−30…+200 °C	−25…+125 °C	−30…+60 °C
Process Pressure	up to 40 bar	up to 400 bar	
Output	4…20 mA, HART®	4…20 mA, HART®	4…20 mA, HART®, 0…10 V
Process Connection	1", 1½"	½", 1", 1½" BSP; 1", 1½" NPT; 1", 1½" TriClamp; DN25, DN40, DN50	
Ingress Protection	IP67	IP65	IP68
Certificates	ATEX	ATEX	ATEX, UKCA Ex
Other	Measuring Range: up to 20 m		Measuring Range: 0…350 m

| NIVOCAP | NIVOPRESS D | NIVOPRESS N |

LEVEL TRANSMITTERS

	MAGNETOSTRICTIVE		BYPASS LEVEL INDICATOR
	INTEGRATED	**COMPACT**	

INTEGRATED	COMPACT	BYPASS LEVEL INDICATOR
▪ Low cost version ▪ 2-wire integrated transmitter ▪ 1 mm resolution ▪ Distance and level measurement ▪ Normal and mini rigid guide tube versions ▪ Stainless steel or titanium 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 ▪ Wetted parts: stainless steel or plastic ▪ Plug-in graphic display module ▪ 99-point linearization ▪ Distance, level and volume measurement ▪ 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 ▪ Stainless steel or titanium float ▪ High-temperature version ▪ Explosion-proof version ▪ Level measurement of pressurized vessels, boilers and tanks

<div align="center">5 YEARS WARRANTY</div>

	INTEGRATED	COMPACT	BYPASS LEVEL INDICATOR
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, 1", 2" NPT	1", 2" 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…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
■ Secondary lightning protection ■ 32-point linearization ■ Explosion-proof variants ■ Fail-safe indication

FOR LIQUIDS	FOR SOLIDS	FOR LIQUIDS	FOR SOLIDS
▪ 2-wire transmitter ▪ PP, PVDF, PTFE housing and transducers ▪ Advanced threshold management ▪ Quick start mode ▪ Faster measurement cycle ▪ Service Interface ▪ Level and volume measurement ▪ 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 (EchoTREK Pro: 2-wire) ▪ 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 ▪ Level and volume measurement and display ▪ 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 ▪ Level and volume measurement and display ▪ 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 w.: 12…36 V DC; 4 w.: 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)	up to 40 bar	0.5…3 bar (absolute)	up to 40 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, Pro: ATEX	ATEX, EAC Ex	ATEX, INMETRO, UKCA Ex, Pro: ATEX	ATEX
Measuring Range: 0.15…25 m (Pro: 0.15…18 m)	Measuring Range: 0.6…60 m	Measuring Range: 0.2…25 m (Pro: 0.15…18 m)	Measuring Range: 0.6…60 m

| EasyTREK & EasyTREK Pro | EasyTREK | EchoTREK & EchoTREK Pro | EchoTREK |

LEVEL SWITCHES

	FLOAT	CONDUCTIVE	MAGNETIC COUPLING
	• 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	• 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 µS/cm conductivity • Fail-safe indication and pump control	• 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 • SIL 1 (Safety Integrity Level) • Liquids with minimum 0.7 kg/dm^3 density • Fail-safe and control level switches in closed tanks • Ballast tanks of ships

	3 YEARS WARRANTY	5 YEARS WARRANTY	

	Supply Voltage	24…240 V AC/DC	
Ambient Temperature		−20…+50 °C	−20…+80 °C
Process Temperature	0…+50 °C	up to +200 °C	−50…+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		⅜", 1½"	flanges or 2" thread
Ingress Protection	IP68	IP65 / IP67, IP20	IP65, IP68
Certificates			ATEX, IEC Ex, INMETRO, SIL 1, DNV (Marine), BV (Marine)
Other			

NIVOFLOAT	NIVOCONT K	NIVOMAG

LEVEL SWITCHES

	VIBRATING FORK	
MAGNETIC TRACKING	FOR LIQUIDS	FOR SOLIDS

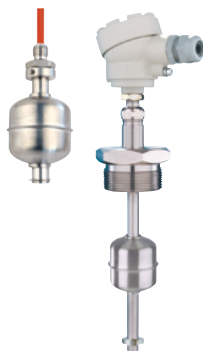| MAGNETIC TRACKING	FOR LIQUIDS	FOR SOLIDS
▪ Operation without power supply ▪ Reed switch output ▪ Wetted parts stainless steel or plastic ▪ Up to 5 switching points ▪ Vertical adjustability of all switching points ▪ Various process connections ▪ Flame-proof variants ▪ Liquids with minimum 0.4 kg/dm^3 density ▪ Multi-point level switch in closed tanks ▪ Foaming liquids, chemicals with dense vapor or gas layer above the surface	▪ No moving parts ▪ Self-cleaning in most mediums ▪ 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 ▪ Process pressure: up to 40 bar ▪ Most liquids with minimum 0.7 kg/dm^3 density and maximum 10^4 mm^2/s viscosity	▪ No moving parts ▪ Self-cleaning for most mediums ▪ 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 ▪ Dust-Ex variants ▪ Granules and powders with minimum 0.01 kg/dm^3 bulk density
5 YEARS WARRANTY	3 YEARS WARRANTY	

Supply Voltage	20…255 V AC, 20…60 V DC	
Ambient Temperature	−40…+95 °C	−40…+70 °C	
Process Temperature	−40…+150 °C	−40…+130 °C	
Process Pressure	up to 25 bar	up to 40 bar	
Output	250 V AC, 3 A	1 or 2 relays (SPDT), 2-wire AC / DC, transistor (PNP, NPN)	
Process Connection	1" or 2" or flanges	1", 1½", 2" or flanges or hygienic fittings	1", 1½", 2" or flanges
Ingress Protection	IP67, IP68	IP67, IP68, IP65	
Certificates	ATEX, BV (Marine)	ATEX, IEC Ex, UKCA Ex, DNV (Marine)	ATEX
Other			

NIVOPOINT	NIVOSWITCH

LEVEL SWITCHES

VIBRATING ROD	ROTARY PADDLE	RF−CAPACITANCE

• 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.
	• 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.
		• 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 $\varepsilon_r \geq 1.5$ and liquids
		• For high viscosity, sticky materials
		• For special applications such as blockage
		  detection in hopper and hot ash

5 YEARS WARRANTY	*3 YEARS WARRANTY*	*5 YEARS WARRANTY*

VIBRATING ROD	ROTARY PADDLE	RF−CAPACITANCE
20…255 V AC/DC	230 V AC, 120 V AC, 24 V AC, 24 V DC	20…255 V AC / 20…50 V DC
−30…+60 °C	−30…+60 °C	−30…+65 °C
−30…+160 °C	−20…+200 °C	−30…+235 °C
up to 25 bar	up to 3 bar	up to 16 bar
relay (SPDT) or electronic switch (SPST)	250 V AC 5 A, AC1	relay (SPDT) or electronic switch (SPST)
1½"	BSPT 1", 1½", mounting plate	¾", 1", 1½"
IP67		
ATEX, IEC Ex, UKCA Ex	ATEX, UKCA Ex	ATEX, IEC Ex

NIVOCONT R	NIVOROTA	NIVOCAP CK

ANALYTICAL TRANSMITTERS

	pH / ORP	DISSOLVED OXYGEN	CONDUCTIVITY

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

- Continuous conductivity measurement of swimming pool technology and drinking water equipment
- Water purification

<div align="center">5 YEARS WARRANTY</div>

	pH / ORP	DISSOLVED OXYGEN	CONDUCTIVITY
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; 1½", 2" TriClamp
Ingress Protection	IP67, IP68	IP68 / IP67	IP68 /IP65
Certificates	ATEX		
Other	Measuring Range: pH: 0…14 pH ORP: ±1000 mV	Measuring Range: 0…10 ppm, 0…20 ppm	Measuring Range: 1…20 µS/cm 10…200 µS/cm 100…2000 µS/cm

AnaCONT LEP / LER	**AnaCONT LED**	**AnaCONT LCK**

TEMPERATURE MEASUREMENT

TEMPERATURE SENSOR	ENCAPSULATED TEMPERATURE SENSOR	STRENGTHENED PROBE TEMPERATURE SENSOR
- 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	- 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 tub - Up to 3 m insertion length - Vibration-resistant version - 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	- 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 instrument from the process - Vibration-resistant version - 2- or 4-wire types - 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
up to 60 bar	up to 25 bar	up to 80 bar
M20x1.5; M8x1, integrated cable version up to 12 m	M20x1.5; ½"; flanges	1" or flanges
IP65, IP54	IP67	IP65, IP67
	ATEX	ATEX
Measuring Range: −50…+200 °C Sensor Type: "A" / "B" class Pt100	Measuring Range: −50…+600 °C Sensor Type: "A" / "B" class Pt100	Measuring Range: −50…+600 °C Sensor Type: "A" / "B" class Pt100, or J, K thermocouple

THERMOCONT TG / TF	THERMOCONT TS / TP	THERMOCONT TN / TX

TEMPERATURE MEASUREMENT

	MULTI-POINT TEMPERATURE TRANSMITTER	
TEMPERATURE INDICATOR / TRANSMITTER	FOR LIQUIDS	FOR SOLIDS

• 2-wire compact transmitter • Plug-in display module • Integral "A" / "B" class Pt100 probe • 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 • Transmission to long distances • Versions for tanks, vessels, pipelines • Temperature measurement and local indication of normal and hazardous liquid and gaseous mediums	• 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 • Intrinsically safe variants • Continuous multi-point temperature measurement, indication, transmission and trend monitoring of normal and hazardous liquids	• 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 • Intrinsically safe and Dust-Ex variants • Continuous multi-point temperature measurement, indication, transmission and trend monitoring of powdered and granular solids in storage silos, grain mills, animal feed

<div align="center">5 YEARS WARRANTY</div>

	TEMPERATURE INDICATOR / TRANSMITTER	FOR LIQUIDS	FOR SOLIDS
Supply Voltage	10…36 V DC	11…36 V DC	
Ambient Temperature	−40…+70 °C	−30…+65 °	
Process Temperature			
Process Pressure	max. 25 bar		
Output	4…20 mA, HART®		
Process Connection	M20x1.5; ½"; flanges	1"; 1½" BSP / NPT; M20x1.5	1½" BSP / NPT
Ingress Protection	IP65	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	THERMOPOINT	

INDUSTRIAL SENSORS	FLOW MEASUREMENT
ULTRASONIC PROXIMITY SENSOR	**OPEN-CHANNEL**
▪ Non-contact distance metering ▪ Analogue 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	▪ 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
5 YEARS WARRANTY	*3 YEARS WARRANTY*
10.8…30 V DC	12…36 V DC, 20…28 V AC/DC, 85…255 V AC
−20…+70 °C	
0…10 V, 4…20 mA, NPN or PNP switch	4…20 mA, HART®
IP67, IP68	IP65, IP67 / IP68
Ranges: 0.2…1 m / 0.4…6 m	Measuring range: 0.94…6627 m³/h Level transmitters: EasyTREK, EchoTREK
MICROSONAR	**NIVOSONAR**
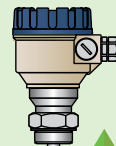
NEW

MicroTREK

ADVANCED THRESHOLD MANAGEMENT

FALSE ECHO EXCLUSION

PROBE CORRECTION TABLE (SCT)

HIGH-TEMPERATURE RANGE

WIDE RANGE OF PROBES

EXTREMELY SMALL DEADBAND

PLASTIC, ALUMINUM OR STAINLESS STEEL HOUSING

ROD, CABLE, OR COAXIAL PROBE VERSIONS

PLUG-IN GRAPHIC DISPLAY MODULE

EXPLOSION-PROOF VARIANTS

UP TO 30 M MEASURING RANGE

INMETRO   UKCA   IEC

HART   Ex   CE

SCAN FOR MORE DETAILS

PRESSURE SENSORS

PRESSURE SWITCHES	PRESSURE TRANSMITTERS	DIFFERENTIAL PRESSURE TRANSMITTERS
▪ Relative or absolute measuring mode ▪ Configurable 4-digit swivel display module ▪ Configurable via PC or programming device ▪ Stainless steel housing versions ▪ Ex ia variants* ▪ 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	▪ 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 ▪ Ex ia or Ex d variants* ▪ SIL 2 version* ▪ Water, waste water, fuel and oil, aggressive media, gases ▪ Plant and machine engineering, hydraulics, HVAC ▪ Environmental engineering, medical technology, laboratory techniques ▪ For potable water	▪ 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 ▪ Ex ia variants* ▪ 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

<div align="center">5 YEARS WARRANTY</div>

	PRESSURE SWITCHES	PRESSURE TRANSMITTERS	DIFFERENTIAL PRESSURE TRANSMITTERS
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	⅛", ¼", ½", ¾", 1", 1½", 2" or flanges or sanitary	¼", ½", ¾", 1", 1½" or flanges 2", 3" RF; M20x1.5 internal thread	Ø6.6 x 11 (for flex. tubes Ø6), Ø4.45 x 10 (for flex. tubes Ø4), ¼", ½" BSP; ¼", ½" NPT, M20x1.5
Ingress Protection	IP54, IP65, IP67	IP65, IP67, IP68	IP54, IP65, IP67

* If Ex version is required, please request a custom quotation based on the data in the price list.
Orders based on the quotation will be considered official.

NIPRESS DK	NIPRESS D	NIPRESS DD

SIGNAL PROCESSING UNITS

	MULTICHANNEL PROCESS CONTROLLER	UNIVERSAL PROCESS CONTROLLER / INDICATOR	ULTRASONIC PUMP CONTROL SYSTEM
	- Provides a flexible solution to commissioning process control systems containing HART®-based intelligent *(level, temperature or pressure)* transmitters - Large, easy to read backlit LCD or OLED display - Datalogger 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	- 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 display, 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	- Low-cost automatic pump control system - Ultrasonic level measurement - 0.4…3 m measurement range - Programmable pump cycling - Optional dry-run or overfill protection - Maintenance-free - Max. 1 kW switching rate - Motor or cable protection - IP68 sensor - Integrated circuit breaker - Domestic sewage shafts, wetwells - Controlling of one-phase pumps (max. 1 kW) - Sumps, tanks, flood storages - Drainage sumps, pools
	5 YEARS WARRANTY	3 YEARS WARRANTY	5 YEARS WARRANTY
Supply Voltage	11.4…40 V DC; 11.4…28 V AC; 85…255 V AC	100…240 V AC; 20…48 V AC, 22…65 V DC	230 V AC
Ambient Temperature	−20…+50 °C	−10…+55 °C	−25…+45 °C (Control Unit)
Process Temperature			−25…+60 °C (Ultrasonic Transmitter)
Input	1…15 HART® devices	universal	
Output	Internal: max. 2× 4…20 mA, max. 5× relays (SPDT) External: max. 16× 4…20 mA via RS485, max. 64× relays (SPDT)	relay, 4…20 mA, RS485, SSR driver	1× relay NC contact, 250 V AC, 8 A, AC1
Ingress Protection	IP65	IP20 / IP54	Control unit: IP65 Ultrasonic transmitter: IP68
Certificates	ATEX, IEC Ex, INMETRO, UKCA Ex		
Other	Storage Medium: SD card (max. 32 GB) Flash Memory ⇨ USB	Display: dual 4-digits LED display	Control unit: wall mountable Ultrasonic transmitter: 1"
	MultiCONT	**UNICONT PM**	**UNICONT PSW**

SYSTEM COMPONENTS

	UNIVERSAL INTERFACE MODULE	CURRENT CONTROLLED SWITCH MODULE	LOOP INDICATORS

	• 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
		• 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-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
			• Stainless steel housing
			• Flameproof variants
			
			• Universal field indicator for any transmitters
			• Selectable physical parameter set
			• Display of process values supplied by any transmitter
			• If used as HART® converter, powers 2-wire transmitters

<div align="center">5 YEARS WARRANTY</div>

	UNIVERSAL INTERFACE MODULE	CURRENT CONTROLLED SWITCH MODULE	LOOP INDICATORS
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 mountedn (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
	• 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 instruments	• 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	• 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
	5 YEARS WARRANTY	3 YEARS WARRANTY	

	INTRINSICALLY SAFE ISOLATOR MODULE	SWITCHING-MODE POWER SUPPLY MODULE	TIME RELAY MODULE
Supply Voltage	20…35 V DC	100…240 V AC / 50…60 Hz	12…240 V AC/DC
	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 mm^2	Time ranges: 0.1 s…100 days Output: relay, 250 V, 16 A, AC1
Process Connection	DIN rail mounted (module width: 22.5 mm)	DIN rail mounted (module width: 35 mm)	DIN rail mounted (module width: 17.6 mm)
Ingress Protection	IP20		
Certificates	ATEX, IEC Ex		

| UNICONT PGK | NIPOWER | NITIME |

	SOFTWARE		
	COMMUNICATION MODULE	PROCESS VISUALIZATION	HART® CONFIGURATION SOFTWARE

COMMUNICATION MODULE	PROCESS VISUALIZATION	HART® CONFIGURATION SOFTWARE
▪ Communication interface (modem) between HART®-capable transmitters and PC ▪ Connecting field transmitter to the PC via USB, RS485 or Bluetooth® ▪ DIN rail mountable or test clip connector version ▪ No need for power supply when using USB output ▪ Galvanic isolation ▪ Explosion-proof variants ▪ 24 V current loop supply voltage (SAT–504) ▪ Switchable HART® resistor ▪ Bluetooth® compatibility (SAT–504) ▪ Transferring measurement data to PC ▪ Integration of instruments to process control systems ▪ For on-site HART® programming	▪ Communication with intelligent transmitters or switches and controllers ▪ Tank configuration ▪ Transmitter configuration ▪ 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	▪ Free configuration program ▪ Remote programming and querying measurement data for up to 15 HART®-capable transmitters in one 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
5 YEARS WARRANTY		

|	COMMUNICATION MODULE	PROCESS VISUALIZATION	HART® CONFIGURATION SOFTWARE
Supply Voltage	supplied from USB / 24 V DC / Powerbank		
	Input: HART® (KLEPS2 or screw terminal) Output: USB / RS485 / Bluetooth®	Operation System: MS Windows 10, 8, 7, Vista, XP, 2000 Input port: RS232, RS485, USB Free disk space required: min. 5 GB	Operation System: MS Windows 10, 8, 7, Vista, XP, 2000 Free disk space required: 100 MB Memory: 512 MB RAM HART® modem: UNICOMM SAT–304, SAK–305, SAT–504
Process Connection	DIN rail mounted (module width: 35 mm) or portable version		
Ingress Protection	IP20	Download:	Download:
Certificates	ATEX		
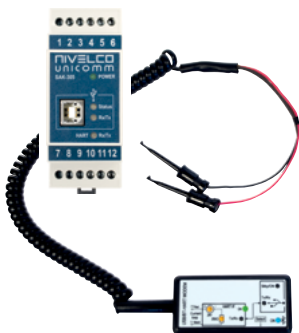
UNICOMM	NIVISION	EView2

Two new NIVELCO Pro product families, the EasyTREK SP–500 Pro and the EchoTREK SE–500 Pro will also be launched in 2022*.

Both series are packed with new features, like the user-friendly threshold management, quick start mode, faster measurement cycle, and it has an improved measuring range with a shorter dead zone.

Thiese device families are an excellent choice for most liquids, including flammable ones, in open-channel flow metering, basins, wells, sumps, lift stations. They fit a wide range of applications for wastewater, hydrocarbons, acids, aggressive liquids, any water-based mediums, and aggressive chemicals.

SP–500 Pro   SE–500 Pro

Scan for more details.

NIVELCO
PRO

*The EasyTREK SP–500 Pro will be available from the beginning of the year and the EchoTREK SE–500 Pro from the second quarter of 2022.

NIVELCO – official sponsor of the Hungarian Paralympic Team

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