

1	Temperature	Make	Model Code	Discription	Product picture
1.1	RTD PT-100	Parshvi	PT-100	RTD PT-100 3 Wire Simplex, , Length:250mm, Process Connection:1/2" BSPAdjustable OD:6mm	
1.2	Head Mounted Temperature Transmitter	Pixsys	2000.35.015	Universal Input:Thermocouple/ RTD Output: 4 to 20 mA Galvanic Isolation- 1K Vac Special feature You can Program temperaturetransmitter Via mobile application via NFC isolator Galvanic	
2	Pressure				
2.1	PRESSURE SWITCH	BECK GMBH	901.91.11114 (1-6 Bar)	Range Adjustable between: 1 ... 6 bar -Max. Operating Pressure: 25 bar -Diaphragm Material: NBR Pressure Connection: 1/4 inc BSP thread, -Bottom entry - PC Material: Brass -Access	
2.2	Pressure Transmitter	Trumen	TFP-40S-0100-G-42-02-D-G2	Pressure Ranges: 0...10bar : gauge 4...20mA Accuracy :0.2%FSO Electrical Connection :Connector DIN43650 Process Connection :G1/2 (male), Operating Temp Range:-20 to +85°C Diaphragm (Wetted Part): SS 316L	
2.3	Hygienic Pressure Transmitter	Trumen	TFP-310-0100-G-42-02-DH-K2	Range:0...10bar Pressure Type:gauge Output :4...20mA, 2 Wire Accuracy: 0.2%FSO, Electrical Connection: Din Connector Process Connection: 1-1/2 "TC clamp (Ø 50.4mm) Operating Temperature Range: 20 to +180 °C	
2.4	Differential Pressure Transmitt For Liquids	Beck GmbH	988.x13A1	Range : 0...10 bar Supply voltage: 18 - 30 VDC Protection class: IP 65 Accuracy : +/- 0.4% (typ.) / +/- 1.0 (max.) Output signal: 4 - 20 mA, 2-wire, Pressure connection:G1/4, Max. diff. load: 20bar, Max. Electrical connection: Connection plug EN Process connection: 2 x inner thread G1/4 Axial	
3	Level				

3.1	Vibrating Fork Level Switch for Liquids	Trumen	LFV	<p>HAN: Aluminum Non-Hazardous IP-67/68 Temperature</p> <p>S6: Sensing Surface Material Sensor Extension Material Process Connection Type</p> <p>C4: Process Connection Material relay O/P:Electronics</p> <p>D1: 100mm (OD-30mm, suitable for 1" and above) Fork Length Insertion Length : 50mm to 3000mm</p> <p>T1: Material G4: PB1: EIUD: 1 DPDT</p>	
3.2	Compact Vibrating Fork Level Switch for Liquids	BECK GMBH	LFV12	<p>Electronics Type : OP/OS to 60 VDC</p> <p>Supply: 12 Process Temp. : -20°C ... 80°C (-4°F ... 176°F) Extended Process Temperature: -30°C ... 150°C (-22°F ... 302°F (extensions & heat sinks required)</p> <p>Process Pressure: absolute / max. 15 bar Wetted Parts: SS 316 or SS 316L Process Connections LFV12 (Material SS316): Threaded NPT / BSP ¼", ¾", 1" Tri-Clamp 1"...1½", SMS Union 1" Enclosure Material:SS316</p>	
3.3	Conductivity Level Switch	Trumen	LWS-HAN-T1-RD1-S4-IT-G4-PB2-C4-EIUD-Lxxx	<p>HAN: Aluminum Non-Hazardous IP-67/68 Max process Temperature: 80 Deg C Single Rigid Rod Probe Sensing Rod Material:SS316 Insulation type :PTFE insulated Sensor Extension Material: SS 304</p> <p>Process Connection: 1-1/2" BSP Process Connection Material:SS 304 Electronics: 1 DPDT relay O/P single point Lxxx: ProbelLength</p>	
3.4	Capacitance Type Level	Trumen	LMC-HAN-T2-RD1-S6-IT-G4-W0-PB1-C 6-EIUD-LXX	<p>HAN: Enclosure Aluminum Non-Hazardous IP-67/68, T2: Material Temperature max 200°C RD1: Sensor rigid: Single Rigid Rod Probe, S6: Sensing Rod SS 316, IT: Insulation type Full PTFE insulated Length or Sensor SS304, Material: None W0: Stilling Well</p> <p>PB1: Process Connection Type 1" BSP, Process Connection Material SS 316, EIUDD: Supply Universal Power Supply :15 to 80 VDC & 15 to 260 VAC 50/60Hz Output: 1 DPDT potential free relay contact output LXX: Insertion Length</p>	

3.5	Capacitance Level Transmitter	Trumen	TLC-HAN-T2-RL1-S6-IT-G6-W0-PT1-C6-EIL-Lxxx	<p>Enclosure: Aluminum Non-Hazardous IP- 67/68 Process Temperature: max 200°C Sensor rigid/ flexible type : Single Flexible Rope Probe Sensing Surface Material: SS 316 Insulation type: Full PTFE insulated Sensor Extension Material: SS 316 Process Connection: 1-1/2" Triclover/Triclamp Process Connection Material: SS 316 Electronics: 4-20mA Loop powered O/P</p>	
3.6	Ultrasonic Level Transmitter	Trumen	TLU(N)-10-G2-I2-S1-E2	<p>Normal usable in non-explosive areasonly Measuring Range : 0...10 m Process connection : 2" BSP Thread (M) Output signal: 4"-20mA-2wire(Forrange<15m) Power supply : 24VDC Accuracy:0.25%F.S</p>	
3.7	Hydraustatic Level Transmitter	Trumen	TLH-HAN-F005-C4-DLP-B15-Lxxx	<p>Aluminum Non-Hazardous IP-67 /68, Process Connection Type: 1-1/2 " B16.5 ANSI/ASA150HRF, Process Connection Material: SS 304, Output: Options DC Loop Powered 4-20mA, Pressure Range:Meters 0...15mH2O, Cable Length: Lxxx: mm</p>	
3.8	Water Level Transmitter	Beck GmbH	981.0x001H208	<p>Pressure Range: UPTO 0-6 MITTER Max. working pressure: 900 mbar Membrane Material: NBR Accuracy: ≤ ±1% FS Supply voltage: 10 .. 30 VDC Output: 2-wire; 4-20 mA Response Time: 500 ms Permissible Temperature range: -20°C ... +85°C Process connection: PVDF , Thread M10x1 Electrical connection: M12 socket, 4 poles, A-coded Protection class: IP65</p>	
4	Analytical				
4.1	pH Analyser	Chemitec	S401 V/G	<p>pH Glass, combined pH Electrode S7 head 5m cable. pH Electrode for general Application Glass, combined pH Electrode (Ø=12mm. L=120mm.) with integrated PG 13.5 thread Measuring range : 0.00-14.0 pH Max working pressure: 6 bar Max Min. conductivity: 5µS. working temperature : 80°C. Threaded head S/7.5 m. cable, with threaded connection</p>	

4.2	ORP Analyser	Chemitec	S406 VG	<p>Materials: Glass shaft, Platinum wire, partly melted into glass membrane Thread :PG13,5 Range : -999 ... +999mV Max working temperature: 80°C Max working pressure: 6 bar Electrolyte: polymeric electrolyte Sample: min Conductivity: 5 µS/cm Diaphragm :Single Pore Number of Diaphragm: 1 Connection type :S8 Temperature Sensor :No ATEX Approval: No Recommended storage: 3M KCl</p>	
4.3	Zirkon® pH Process HT	Kuntze	S24136127K	<p>pH-Value: pH 0..14 Max. Pressure: < 13 bar at 135 °C Min. Conductivity: > 150 µS/cm Temperature: -5...+135 °C Junction: PTFE Shaft Material: Glass Shaft Length: 120 mm Shaft Diameter: 12 mm Electrode Material: AH-Glass-Ball Reference System: Ag / AgCl / Solid electrolyte Process Connection: S8 Plug Electrical Connection: 2 Poles Temperature Sensor: None Installation Depth: 120 mm Potential Compensation: None</p>	
4.4	Conductivity Sensor & Transmitter	Chemitec	S411 (THERMO COMPENSATED CONDUCTIVITY CELL)	<p>Materials • PSU Body • Graphite Electrodes • O-Ring BNC • Temperature sensor embedded in an INOX case, in direct contact with the liquid • Waterproof connector Thread :1/2" GAS or 1" GAS Cell's constants K = 0.1 cm, K = 1 cm, K = 10 cm Cable length: 5m (10m or 15m available on request) Max working temperature: :120°C Operating pressure: 6 Bar at 20°C / 2 Bar at 120°C Measuring range: (K = 10 cm) 0-200 µS - (K = 1 cm) 0- 50000 µS - (K = 0.1 cm) 10-200 mS</p>	
4.50	Turbidity Sensor	Chemitec	S461 LT	<p>Measuring principle: 90° scattered light (ISO 7027 / EN 27027) Wavelength: 880 nm, pulsed light method Measuring ranges: 0-10 NTU / 0-100 NTU Resolution: 0.01 / 0.1 NTU Accuracy: ±1...5% Operating temperature: 0-40 °C Max operating pressure: 4 bar Material: PVC, Glass Dimensions (Ø × L): 42 × 231 mm Cable: 10 m with connector Mechanical protection: IP68 Supplied with: Sensor + Cable</p>	

4.6	Free Chlorine	Chemitec	S494N/CL/5/mA	<p>C COD: 9771121STE S494N/CL/5/mA SW Free Chlorine Sensor output: 4-20 mA range: 0-02,5,10,20,200,2000 ppm</p>	
4.7	Turbidity Sensor	Exner	EXpure 191 NIR 90°-scattered light sensor	<p>Measuring range max.: 0...10 NTU Resolution: 0,01 NTU Accuracy: ± 1 % from final value Reproducibility: ≤ 1 % from final value Light source: LED Optical unit: Stainless steel (1.4435) Windows: Sapphire Sealing: EPDM Flow-through cell: Plastic (PE-HD black) Supply voltage: 24 V DC Process connection: Thread G1/4" Process temperature: 1...50 °C Process pressure: 0...6 bar Electrical connection: Connector 8-pin (IP68K) Interfaces: RS485 Modbus, 0/4...20 mA Parameterisation: Software Expert Flow rate: 30...80 l/h Protection class: IP65</p>	
4.8	Transmitter (Single)	Chemitec	30 Series	<p>Model: 30 series pH or ORP Analyzer wall mounting version Measurement ranges: pH 0.00 to 14.00pH; Resolution ± 0.01pH; Accuracy ± 0.10pH or ORP ± 2000mV; Resolution ± 1mV; Accuracy ± 5mV 128x128 monochromatic backlit graphic display Two digital outputs - ON/OFF exchange relay 250Vac Output 0/4 20 mA maximum load 500 ohm, Power supply: 24/115/230Vac, Frequency 50/60Hz IP 65 protection Dimensions: (chassis – H x W x D)* 144 x 144 x 122.5 mm Weight: :735 g (1.62 lb) ABS/polycarbonate material</p>	

4.9	Transmitter (dual Channel)	Chemitec	46 series	<p>pH/Redox Wall mounting : 144x144 Measuring range in reference with connected electrode/sensors. Graphic display: 128 x 128. Five control keys for instrument calibration and configuration Internal data logger. Analogue output: 2 x 4...20 mA 800Ohm. Digital Output: 2 x Relays: 250 VAC 5 A; RS485 Serial port MODBUS RTU communication Power Supply: 100...230Vac or 24...48Vdc/24Vac IP65</p>	 <p>The image shows a red Chemitec 46 Series Transmitter. It features a color LCD display showing a pH reading of 14.00 and an Alarms section with a value of 25.0. The device has four control buttons at the bottom: 'ESC', 'OK', 'MENU', and 'ENTER'.</p>
4.10	Transmitter (Multi Channel)	Chemitec	50Series	<p>50 Series Multiparametric Controller Possibility of connecting up to 8 sensors. Color Graphic LCD 480 x 272 display, Five key for programming Internal data logger, Download data via USB Pen stick. Four aAnalog outputs 4+ 20mA 500Ohm. Six Digital output for Set Point and alarm Serial port :RS485 with MODBUS RTU protocol (other on request) Power supply :90 - 240Vac 47 - 63Hz (24Vac/dc on request) Wall mounting ABS box. Protection IP 66 Size 144x144x122 mm, 5 (D) Weight: 1.0 Kg</p>	 <p>The image shows a red Chemitec 50 Series Transmitter. The display shows multiple parameters: pH 10.72, SO4 25.41, CO2 CONDUCTIVITY 175.4, and pH 6.67. It has five control buttons: 'GRAPH', 'MENU', 'OK', 'ESC', and 'ENTER'.</p>
4.11	PLC	Pixsys	EPL200	<p>Power supply: 24 V AC/DC \pm 10% / 115-230 V AC \pm 10% / 12 V DC \pm 10% Consumption: 5W Operating conditions Temperatur: 0-45°C; Humidity 35..95 RH% senza condensa Protection: IP20 Weight Circa: 100 g Analogue inputs: Thermocouples , Thermoresistance , Potentiometer , Input V1: 0-10V, 0-20 o 4-20mA. Digital inputs: 8 inputs PNP 12-24Vdc Outputs: Relay outputs , Digital outputs , Analogue outputs, RS485, Ethernet port</p>	 <p>The image shows a Pixsys EPL200 PLC. It is a compact board with various ports including a USB port, a network port, and several terminal blocks for connections.</p>

4.12	Flow Cell Assembly	Chemitec	PSS8 D42-D36-D33	Down-flow probe holder for SX461/LT by-pass installation Flow switch included Black beaker (vessel) body Maximum pressure: 2 bar Maximum temperature: 40 °C Inlet/Outlet dimensions: 8 x 12 mm	
4.13	Flow Cell Assembly	Chemitec	S305PX/494	Down-flow probe holder with Plexiglass body Designed to hold: 1 x S494 sensor 1 x Ø12 mm electrode 1 x Temperature sensor (Code: 8100470003) Complete with flow switch (inductive type) Specifications: Maximum working temperature: 70 °C Maximum working pressure: 6 bar Dimensions (L x H x P): 130 x 145 x 40 mm Hydraulic connection: 10 x 8 mm (Fast type) Bracket for wall mounting: Included	
5 Vibration					
5.1	Vibration Monitoring Sensor	Hauber	HE090/100	Measurand Vibration velocity (mm/s, v-rms) Measuring Range Available Measuring Ranges: 0...25 mm/s, v-rms 0...50 mm/s, v-rms Frequency Range: 10...1000 Hz Supply Voltage :10...30 V DC Output : 4-20 mA (proportional to the measuring range) Interface Type :Transmitter Two-Wire Measuring Head Temperature : 40...+125 °C Protection Rating : IP 66/67 HE090: For machine speeds above 600 RPM (frequency ≥10 Hz). HE100: For machine speeds below 600 RPM (low-frequency measurement down to 1 Hz required).	

5.2	Vibration Monitoring Sensor	Hauber	HE050	<p>HE050 Analog Sensor</p> <ul style="list-style-type: none"> • A measurand above 4-20mA in three-wire technology - Vibration speed (mm/s, rms) - Vibration acceleration (g, rms) - Vibration acceleration (g, peak) - Temperature (°C) <p>HE050 IO-Link Sensor</p> <ul style="list-style-type: none"> • All measurands are cycled through IO-Link as process data - Vibration speed (mm/s, rms) - Vibration acceleration (g, rms) - Vibration acceleration (g, peak) - Temperature (°C) • Acyclic retrieval of device data and diagnostic data • Maintenance Manager • Both outputs can be configured as digital switching outputs • Output 2 can be configured as an analog output • Frequency range: any can be selected between 10-1,000 Hz 	
5.2	Vibration Monitoring Sensor	Hauber	HE055	<p>HE055 IO-Link Sensor</p> <ul style="list-style-type: none"> • All measurands are cycled through IO-Link as process data - Vibration speed (mm/s, rms) - Vibration acceleration (g, rms) - Vibration acceleration (g, peak) - Temperature (°C) - Bearing status parameter (cresT) 10Hz-10,000Hz • Acyclic retrieval of device data and diagnostic data • Maintenance Manager • Both outputs can be configured as digital switching outputs • Output 2 can be configured as an analog output • Frequency range: any can be selected between 1-1,000 Hz 	
6	Work Table				

6.1	Portable Magnetic Work Table	Produal Oy	Portable Magnetic Work	<p>Portable Magnetic Work Table Make : Produal Oy Dimensions L X H X W : 348 mm X 37 mm X 353 mm Weight : Approx. 1.5 kg Load Capacity : Maximum load: 8 kg* Opening Angle : 90° Operating Temperature : -20 °C to +45 °C Material Specifications: Main Body Material, PC-ABS (Flame Retardant), Rockwell Hardness (R scale, 23 °C, ISO 2039): 118 Flexural Strength (23 °C, ISO 527): 60 MPa Type: Neodymium (NdFeB), rubber coated Magnet Grade: N42 Pull Force per Magnet: Approx. 105 N (~10 kg) Thread Material : Steel Q235 (M4), Surface Finish, Rubber coated Electrical Insulation: Fully insulated Dimensions: 151 × 151 × 13 mm</p>	 
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