

INTEGRATED
**ENGINEERING
SOLUTIONS**
IN INDUSTRIAL
AUTOMATION



Innovating Level
Solutions

Since **1984**





NANDLAL KHATAN

Managing Director | Pune Techtrol Pvt. Ltd.

Family enterprise has always been an integral part of Indian culture. Being an economic backbone of every country, it is built with great patience through shared core values and deep trust, persevered by integrity and sustained through legacy of unified identity.

Founded in 1984 with 6 employees, we have evolved into a premier Indian enterprise, globally recognised for level measurement and process automation systems.

Today having a dedicated team of technical engineering experts and skilled workers who perform their duties undaunted by any obstacles to design, manufacture and integrate automation solutions across diverse sectors for both liquids and solids.

Having achieved an institutional scale with structured reporting, long term B2B vendor contracts and R&D capabilities, we look forward to continue our journey through hybrid approach of righteous duty and ethical commerce with modern professional standards.



1984 - 6 EMPLOYEES
2026-200 EMPLOYEES



ISO 9001 : 2015
ISO 14001: 2015
ISO 45001: 2018



Zed Silver - 2025



ASME S & U - 2025



Industry-Proven
Products



Cost Effective
Solution



Prompt
Delivery



Responsive
Customer
Support



Transparency

VISION

To be a leading provider of optimal products and solutions in level measurement and process automation system for liquids and solids.

MISSION

To continuously upgrade our capabilities, to meet future challenges of evolving process industry, through incorporation of new technology, human resources and skills.

QUALITY POLICY

We will provide quality level measurement and process automation systems with value added services for optimising customer satisfaction, which is vital for our growth.

QUALITY OBJECTIVES

- Maintain and improve product quality.
- Continual improvements in products, processes & QMS.
- Business growth through better understanding of customer requirements.
- Enhance customer satisfaction.

INNOVATIVENESS



Innovation is the working principle of Pune Techtrol. We understand the potential relevance of evolving technology and ensure to apply innovation in every aspect of manufacturing.

LEAN MANUFACTURING



As part of innovation, Pune Techtrol has implemented Lean manufacturing principles into its production process & has received outstanding results in no time.



OUR FACILITY

We are proud to possess the state-of-the-art manufacturing facility, well integrated and equipped with modern infrastructure and machines, accurate testing and calibration set up and resourceful workforce.



CORE VALUES

- Integrity
- Transparency
- Flexibility
- Teamwork
- Clean Work Place & Pleasant Atmosphere
- Employees well-being
- Empowerment & Accountability
- Safety, Environment Protection & Resource Conservation
- Trust between all Stakeholders

MANY HANDS, ONE MISSION

Another year | 365 Days | 24x7 with you



Level Gauges For Liquids

Oil Gauge - OLG



CE

Gauge : Borosilicate Glass
 CCD : 70 - 300 mm
 Max Temp : 150°C
 Max Pressure : 1 kg/cm²
 MOC : CS, SS304/316/316L, Monel

Mini Tubular - MTTG



CE

Gauge : Borosilicate Glass
 CCD : 100 - 400 mm
 Max Temp : 100°C
 Max Pressure : 10 kg/cm²
 MOC : SS304/SS316

Tubular - TTG



CE

Gauge : Borosilicate Glass
 CCD : 300 - 1500 mm
 Max Temp & Pr : 200°C & 10 kg/cm²
 MOC : CS, A105, SS304/316/ 316L, PP, PVDF, PTFE lined SS
 Construction : 'C' Channel or Tie Rod
 Options : Autoball Check, Frost Free, Illuminator, Steam Jacketing

Reflex - RFG



CE

Gauge : Soda Ash/Borosilicate Glass
 CCD : 170 - 2000 mm
 Max Temp & Pr : 400°C & 210 kg/cm²
 MOC : CS, A105, SS304/316, PP
 Options : Autoball Check, Frost Free, Steam Jacketing

Transparent - TFG



CE

Gauge : Soda Ash or Borosilicate Glass
 CCD : 170 - 2000 mm
 Max Temp & Pr : 400°C & 210 kg/cm²
 MOC : CS, A105, SS304/316
 Options : Autoball Check, Frost Free, Illuminator, Steam Jacketing

Weld Pad - WFG



CE

Gauge : Soda Ash or Borosilicate Glass
 CCD : 205 - 600 mm
 Max Temp : 300°C
 Max. Pressure : 72 kg/cm²
 MOC : CS, A105, SS304/316/ 316L

Magnetic - MLG



CE

CCD : 300 - 5000 mm
 Liquid SG : ≥ 0.5
 Max Temp & Pr : 400 °C & 250 kg/cm²
 MOC : SS304/316/316L, Hastalloy
 PP, PVDF, PTFE lined SS
 Indicator : Capsule or Bicolor Flappers/ Rollers with IP65 or Hermetically sealed
 Options : Alarm Switches (max 4 no), X'mitter

Float & Board - FBG



CE

Range : 1 - 15 mtrs
 Liquid SG : ≥ 0.8
 Max Temp & Pr : 150°C & Atm
 MOC : SS304/316/316L, ECTFE ctd SS, PP
 Gauge Board : Aluminum
 Options : Seal pot, Alarm Switches (max 4)

Magnetic Float Dial - MFDG



CE

Range : 200 - 1200 mm
 Liquid SG : ≥ 0.8
 Max Temp & Pr : 100°C & 4 kg/cm²
 MOC : SS304, PU
 Enclosure : Cast Al. IP66
 Option : Alarm Switches (max 2)

Float & Dial - FDG (Analog, Digital)



Range : 1 - 10 mtrs
Liquid SG : ≥ 0.8
Max Temp & Pr : 100°C & Atm
MOC : SS304/316/316L, ECTFE ctd SS
Enclosure : Cast Al. IP66 (Analog/Digital),
Exd IIB (Digital)
O/P : 4-20 mA (Digital)
Options : Alarm Sw (max 2), X'mitter (Analog)

Float & Tape - FTG



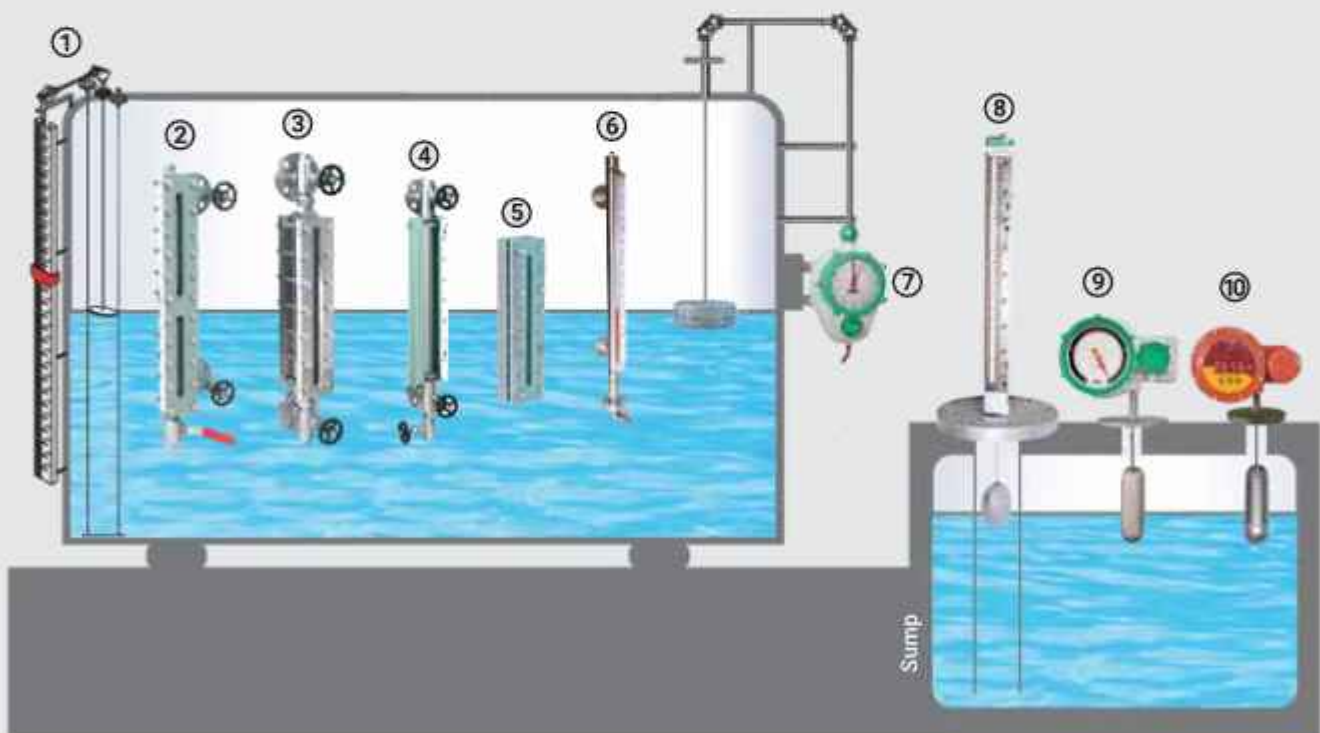
Range : 0 to 4,8,12,16,20 mtrs
Liquid SG : ≥ 0.8
Max Temp & Pr : 120°C & Atm
MOC : SS316, ECTFE ctd SS
Enclosure : Cast Al. IP65 or Exd IIC or ATEX
Options : Alarm Switches (max 4), X'mitter
with 4-20 mA or 4-20mA + HART O/P

Calibration Pot - TCP



Range : 10 to 60000 ml (Vol.)
Measuring Jar : Glass SS304/ 316/ 316L, PP,
Hastalloy C, Ti,
Max Temp : 100 °C
Max Pressure : 5 kg/cm²

Installation Arrangements



- ① Float & Board Gauge
- ② Reflex Gauge
- ③ Transparent Gauge

- ④ Transparent Tubular Gauge
- ⑤ Weld Pad Gauge
- ⑥ Magnetic Gauge

- ⑦ Float & Tape Gauge
- ⑧ Top Mounted Magnetic
- ⑨ ⑩ Float & Dial (Analog & Digital)

Level Switches For Liquids

Mini Float Guided - MFGS



CE

- Liquid SG : ≥ 0.7
- Max Temp : 130 °C
- Max Pressure : 5 kg/cm²
- MOC : SS304, PP
- Contacts : 10 VA x Reed Switch Hermetically sealed
- Mounting : Top or Side

Mini Float Pivoted - MFPS



CE

- Liquid SG : ≥ 0.7
- Max Temp : 130 °C
- Max Pressure : 5 kg/cm²
- MOC : SS304, PP
- Contacts : 10VA x Reed Switch Hermetically sealed
- Mounting : Side

Float Pivoted - FPS



IBR CE

- Liquid SG : ≥ 0.6
- MOC : SS304/316/316L, PP, PVDF
- Contacts : 5A, 250VAC x SPDT/DPDT, hermetically sealed
- Enclosure : Cast Al IP66 or Ex d IIC or ATEX
- Max Temp : 350°C
- Max Pressure : 20 kg/cm²

Float Guided - FGS



CE

- Range : 100 - 3000 mm
- Liquid SG : ≥ 0.65
- Max Temp & Pr : 150°C & 10 kg/cm²
- MOC : SS304/316/316L, PP, PVDF
- Contacts : 40/120 VA(ND), 60VA (C/O)
- Hermetically sealed reed switch
- Enclosure : Cast Al IP66 or Ex d IIB, IIC or ATEX
- Preset levels : 1-4 (single or multiple floats)

Cable Suspended Floats - FTS



CE

- Range : 1- 30 mtrs
- Liquid SG : ≥ 0.75
- Float : PP (Obconical, Biconical or Minutuba)
- Cable : 3 core, 1 mm², Neoprene
- Contacts : 5A, 8A, 250 VAC x SPDT
- Max. Temp/ Pr : 70°C, 3 kg/cm²

Chamber Float - CFS



IBR

- CCD : 200 - 400 mm
- Liquid SG : ≥ 0.8
- Max Temp & Pr : 300°C & 10 kg/cm²
- MOC : CS, SS304/316
- Contacts : 5A, 250 VAC x 2 SPDT, hermetically sealed
- Enclosure : Cast Al. IP66, Ex d IIC, ATEX

Displacer - DS



IBR CE

- Range : 0.5 - 15 mtrs
- Liquid SG : ≥ 0.8
- Max Temp & Pr : 300°C & 100 kg/cm²
- MOC : SS304/316/316L, PP, PTFE, PVDF
- Contacts : 5A, 250 VAC x 2SPDT, hermetically sealed
- Enclosure : Cast Al. IP66, Ex d IIC, ATEX
- Preset Levels : 3 max

Compact Displacer Switch - CDS



- Range : 0.5 - 3 mtrs
- Liquid SG : 1
- Max Temp & Pr : 70°C & Atm
- MOC : PP
- Contacts : 5A, 250 VAC x SPDT
- Enclosure : PP x WP

Conductivity - CNS



- Range : 0.1 - 10 mtrs
- Liquid Conductivity : ≥ 25 us
- Max Temp & Pr : 100°C & 5 kg/cm²
- MOC : SS304/316 + PVC/PTFE
- Contacts : 5A, 250 VAC x SPDT
- Enclosure : Cast Al. IP66 or Ex d IIB
- Preset Levels : 4 max.
- Option : Integral, Two-Part System

Capacitance - CPS



Range : 0.2 - 5 mtrs
Dielectric Constant : ≥ 1.8
Max Temp & Pr : 60°C & 5 kg/cm²
MOC : SS304/316 + PTFE
Contacts : 5A, 250 VAC x SPDT
Enclosure : Cast Al. IP66
Set Points : 4 max
Option : Integral, Two part System

Capacitance Point Level - CPLS



Insertion Length : 150 or 300 mm
Dielectric Constant : > 2.1
Max. Temp & Pressure : 60 °C & 1 Atm
Output : PNP or NPN
MOC : SS304 with PTFE insulation
Enclosure : ABS or Cast Al. IP66

Air Diaphragm - ADS



Range : 0.2 - 2 mtrs
Max Temp & Pr : 60°C & 1 Atm
MOC : PP, SS316
Contact : 5A, 250 VAC x SPDT
Enclosure : Cast Al. IP66

Level Switch - Unitrol



MOC : SS304/ 316L
Insulation : PEEK
Max Temp & Pr : 200°C & 100 bar
Dielectric Constant : ≥ 2
O/P : PNP, NPN
Protection : IP68

Vibrating Fork - VFSL



Insertion : 130 - 3000 mm
Bulk Density : ≥ 0.5 g/cm³
Max Temp : 150 °C
Max Pressure : 10 kg/cm²
MOC : SS316/316L, PVDF ctd SS
O/P : 5A, 250 VAC x DPDT, PNP
Enclosure : Cast Al. IP66 or Exd IIB
Options : Integral, Two Part System

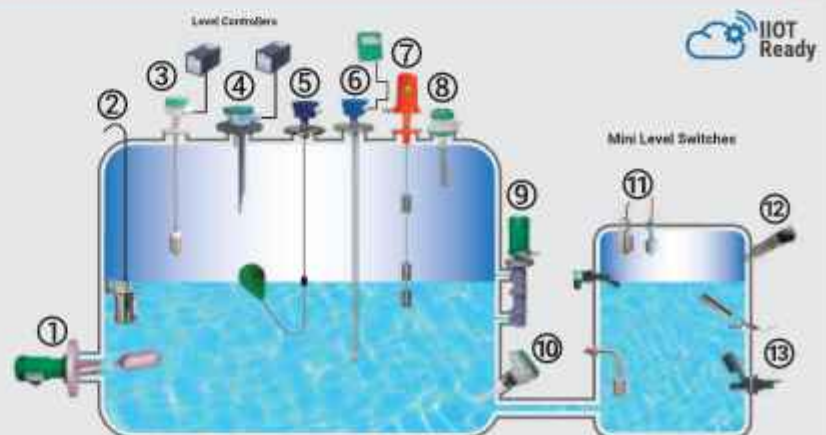
MVFLS



Insertion : 68 mm
Bulk Density : ≥ 0.5 g/cm³
Max Temp : 80 °C
Max Pressure : 10 bar
MOC : SS316
O/P : PNP
Housing : SS304

Installation Arrangements

- ① Float Pivoted Switch
- ② Bilge Switch
- ③ Float Guided Switch x TLCF
- ④ Conductivity Switch x TLCN
- ⑤ Float Tilt Type
- ⑥ Capacitance
- ⑦ Displacer Switch
- ⑧ Air Diaphragm Switch
- ⑨ Chamber Float Switch
- ⑩ Capacitance Point level
- ⑪ Mini float Guided
- ⑫ Vibrating Fork Switch
- ⑬ Mini Float Pivoted



Level Switches for Solids

Rotary Paddle - RPLS



CE

- Insertion Length : 200 - 1500 mm
- Bulk Density : $\geq 0.5 \text{ g/cm}^3$
- MOC : SS304
- Max Temp : 150°C
- Max Pressure : Atm
- O/P : 5A, 250 VAC x SPDT or DPDT
- Enclosure : Cast Al. IP66

Vibrating Fork - VFSS



- Insertion Length : 130 - 3000mm
- Bulk Density : $\geq 0.5 \text{ g/cm}^3$
- MOC : SS316
- Max Temp & Pr : 150°C & 10 kg/cm^2
- O/P : 5A, 250VAC x DPDT
- Enclosure : Cast Al IP66, Ex d IIB
- Options : Integral, Two part

Vibrating Diamond Blade



CE

- Insertion Length : 170 - 6000 mm
- Bulk Density : 20 g/L
- MOC : SS304
- Max Temp & Pr : 150°C & 10 Bar
- Contacts : 8A, 250 VAC x SPDT
- Enclosure : Cast Al. IP66/67, Ex d IIB or ATEX

Vibrating Rod - VRS



CE

- Insertion Length : 250 mm
- MOC : SS304
- Bulk Density : $\geq 0.5 \text{ g/cm}^3$
- Max Temp : 125°C
- Max Pressure : 10 Bar
- O/P : 5A, 250 VAC x SPDT or PNP

RF Admittance - RFA



- Insertion Length : 300 - 3000 mm
- Max Temp & Pr : 600°C & 10 kg/cm^2
- Dielectric Constant : ≥ 2
- MOC : SS304/316
- O/P : 5A, 250 VAC x DPDT
- Enclosure : Cast Al. IP66 or Ex d IIB
- Options : Integral, Two part

Disc RF Admittance - DRFA



- Max Temp : 200°C
- MOC : SS304 + UHMWPE or PTFE
- O/P : 5A, 250 VAC x DPDT
- Enclosure : Cast Al. IP66

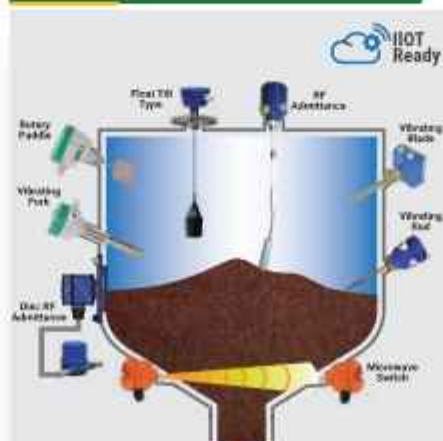
Cable Suspended Float - FTSS



CE

- Range : 5 - 30 mtrs
- Float MOC : PP+ HR HY (IP68)
- Cable : 3 core, 1 mm^2 , Neoprene, Hypalon
- Max Temp : 70°C
- Contacts : 10 mA, 24 VDC/AC, SPDT

Installation Arrangements



Blocked Chute Detector - TBCD



CE

- Range : upto 40 mtrs
- Max Temp : 120°C
- Max Pressure : 5 Bar
- O/P : 2A, 250 VAC x SPDT
- Enclosure : Cast Al. IP65

Level Transmitters for Liquids

Magnetic Float Guided - FGT



Range : 400 - 4000 mm
Liquid SG : ≥ 0.65
MOC : SS304/316/316L, PP, PVDF
Max Temp & Pr : 150 °C & 10 kg/cm²
O/P : 4-20 mA, RS-485, 4-20mA+ HART, FF
Resolution : ± 12 mm or ± 6 mm
Enclosure : Cast Al. IP66 or Ex d IIC or ATEX

Capacitance - CPT



Range : 500 - 5000 mm
Dielectric Constant : ≥ 1.8
MOC : SS304/316 + PTFE
Max Temp & Pr : 60 °C & 5 kg/cm²
O/P : 4-20 mA
Accuracy : ± 2 % FS
Enclosure : Cast Al. IP65

Capacitance High Temp - CPTH



Range : 500 to 5000 mm
Dielectric Constant : ≥ 1.8
MOC : SS304, SS316
Max. Temp & Pr : 250 °C & 5 kg/cm²
O/P : 4-20mA + HART
Accuracy : ± 1 % FS
Enclosure : Cast Al. IP66

Capacitance Fuel - CFT



Range : 200 - 1000 mm
MOC : SS304
Max Temp & Pr : 60 °C & 2 kg/cm²
O/P : 4-20 mA, RS-485
Accuracy : ± 2 % FS
Enclosure : Cast Al. (IP65), PP (IP68)

Capacitance - CPT (Hazardous Area)



Range : upto 3 mtrs
MOC : SS316
Max. Temp : 250 °C
O/P : 4-20 mA
Accuracy : 1% FS
Enclosure : Cast Al. IP67
ATEX Intrinsically Safe

Displacer with Torque Tube - DTT



Range : 300 - 3000 mm
Liquid SG : ≥ 0.3
MOC : SS316
Max Temp & Pr : 400 °C & 60 kg/cm²
O/P : 4-20 mA + HART
Accuracy : ± 0.5 % FS
Enclosure : Cast Al. IP66 or Exd IIC or ATEX

Displacer with LVDT- DTL



Range : 250 mm
MOC : SS316L
Max. Temp : 70 °C
O/P : 0 to 10 VDC
Accuracy : ± 5 mm
Enclosure : SS316L

Hydrostatic - HLT



Ranges : 2, 3, 5 ... 200 mWC
Over Pressure : 1.5 x Range
MOC : SS316 (IP68) probe, PU cable
Max Temp & Pr : 70 °C & Atm
O/P : 4-20 mA or 4-20mA+ HART
Accuracy : ± 0.5 % FS
Termination : Cable or Enclosure IP66 or Plug Connector

Magnetostrictive - MLT



Range : 0.5 to 3mtrs
Liquid SG : ≥ 0.6
MOC : SS304/ 316
Max Temp & Pr : 120°C & 10 kg/cm²
O/P : 4-20mA
Accuracy : ± 1 mm
Enclosure : Cast Al. IP65

Level Transmitters for Liquids

Ultrasonic Transmitters

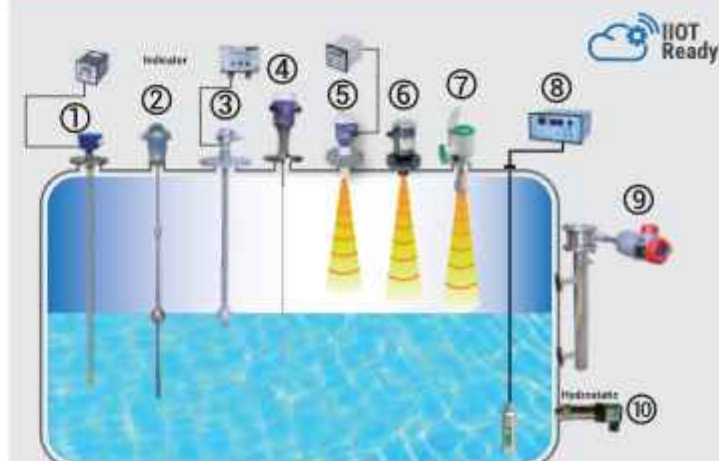
	Ultratrol-Y	Ultratrol	UltraXI	UltraXR	Ultratrol-T
					
Range	0.4 to 5, 10 mtrs	0.4 to 5, 10 mtrs	0.4 to 6, 10 mtrs	0.5 to 20, 30 mtrs	0.6 to 10 mtrs
Max. Temp/Pr.	60°C, 1 bar	60°C, ≤1 bar	60°C, 1 bar	70°C, <1 bar	70, <3bar
O/P	4-20 mA	4-20 mA	4-20 mA + HART	4-20 mA + HART	4-20mA
Accuracy	± 0.5 % FS	± 0.5 % FS	± 0.15 % FS	± 0.5 % FS	0.5 % FS
Enclosure	ABS IP65	ABS IP65	Aluminum IP67	Aluminum IP65	ABS Plastic IP65
Display	4 digit LCD Integral	4 digit LCD Integral	5 digit OLED Integral	4 digit LCD Integral	LCD Remote
X'ducer	ABS	ABS	PVDF	PVC	ABS

Techtrol Display Instruments, Converter & IIoT Gateway

	Level Controller (TLC)	Indicator Controller (TLIC)	Universal Indicator (TUIC)	Loop Powered (LP-Cator)	Scanner (TSCN)	Data Acquisition System (DAS)	Bar Graph Indicator
Panel Mtd.							
Ex-proof Wall Mtd.							
					Signal Converter "TSC"	IIoT Gateway	Jumbo Display

Installation Arrangements

- ① Capacitance Transmitter x TLIC
- ② Magnetostrictive
- ③ Float Guided Transmitter x LP-Cator
- ④ G-TROL (TDR)
- ⑤ INTROL x TUIC
- ⑥ Ultrasonic Transmitter
- ⑦ Senatrol
- ⑧ Hydrostatic submersible x Datalogger
- ⑨ Displacer
- ⑩ Hydrostatic Non-submersible



Radar Transmitters for Liquids & Solids

G-TROL (TDR)



Range : upto 30 mtrs (Liquids & Solids)
Dielectric Constant : ≥ 1.9
Max Temp & Pr : 200 °C & 40 Bar
MOC : SS304/316, PTFE ctd SS
O/P : 4-20 mA + HART
Accuracy : ± 5 mm
Enclosure : Cast Al. IP65

Centrol (TDR)



Range : upto 38 mtrs (Liquids & Solids)
Dielectric Constant : ≥ 1.5
Max Temp & Pr : 300 °C & 40 Bar
MOC : SS316L
O/P : 4-20 mA + HART
Accuracy : ± 3 mm
Enclosure : Al. IP66 or ATEX

Introl -81



Range : 60 mtrs (Liquids & Solids)
Frequency : 80 GHz
Max Temp : 200 °C
Max Pressure : 20 bar
Antenna : PTFE Lens
O/P : 4-20 mA + HART
Accuracy : 0.25 % FS
Enclosure : Cast Al. IP65

Introl- Aqua



Range : 10, 20, 30 mtrs
Frequency : 80 GHz
Display : Integral LCD
Max Temp & Pr : 80 °C & Atm
O/P : 4-20mA (Wireless configuration through Bluetooth)
Accuracy : 0.25 % FS
Housing : ABS, IP67

Senatrol (FMCW Radar)



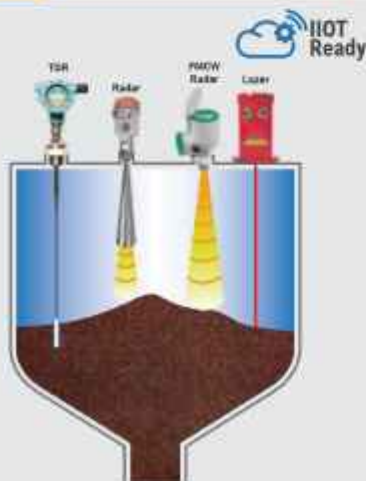
Range : upto 100 mtr (Liquid & Solids)
Frequency : 80 GHz
Dielectric Constant : > 1.4
Max. Temp & Pr : 150 °C & 40 bar
Antenna : PEEK lens
O/P : 4-20mA + HART
Accuracy : ± 2 mm
Enclosure : Aluminum, IP66/68

Introl - 91



Range : 30 mtrs
Frequency : 80 GHz
Max Temp : 150°C
Max Pressure : 3 bar
Antenna : Sealed PVDF Rod (Liquids)
O/P : 4-20mA + HART
Accuracy : ± 0.25 % FS
Enclosure : Cast Al. IP65

Installation Arrangements



Laser Transmitter - LLT



Range : 20 mtrs
Spot Dia : 2 mm
Max. Temp : 50 °C
O/P : 4-20 mA, PNP (2nos)
Accuracy : 10 mm
Enclosure : Zinc Alloy Metal, IP67

Laser Transmitter



AL 40/AL 100

Range : 40 mtrs, 100 mtrs (AL 100)
Beam Angle : 1°
Max Temp & Pr : 60 °C & Atm
O/P : 4-20mA
Accuracy : ± 0.1 % FS
Enclosure : Al. pwdr ctd. IP65

Tubular - TTG



CE
Gauge : Borosilicate Glass
CCD : 400 - 1500 mm
Max Temp & Pr : 200 °C & 10 kg/cm²
MOC : CS, SS304/316
Guards : 'C' Channel or Tie Rod
Isolating Valves : Spring Loaded

Reflex - RFG



CE
Gauge : Soda Ash/ Borosilicate Glass
CCD : 170 - 2000 mm
Max Temp & Pr : 400 °C & 210 kg/cm²
MOC : CS, SS304/316
Isolating Valves : Spring Loaded
or Weighted Lever

Magnetic - MLG



CE
CCD : 300 - 5000 mm
Liquid SG : ≥ 0.5
Max Temp & Pr : 400 °C & 250 kg/cm²
MOC : SS304/316
Indicator : Capsule or bicolor flappers with IP66 or Hermetic sealing
Options : Alarm Switches (max 4), X'mitter
Isolation Valve : Weighted Lever

Float & Dial - FDG



Range : 1 - 10 mtrs
Liquid SG : ≥ 0.8
Max Temp & Pr : 100 °C & Atm
MOC : SS304/316/316L, ECTFE ctd SS
Enclosure : Cast Al. IP66
Options : Alarm Switch (max 2), X'mitter

Float Guided - FGS



CE
Range : 100 - 3000 mm
Liquid SG : ≥ 0.65
Max Temp & Pr : 150 °C & 10 kg/cm²
MOC : SS304/316
Contacts : 40/120VA (NO) 60VA (C/O)
Hermetically sealed reed switch
Enclosure : Cast Al. IP66 or Ex d IIB/IIC or ATEX
Preset levels : 1- 4 (single or multiple floats)
with Insitu Test Device

Displacer - DS



CE
Range : 0.5 - 15 mtrs
Liquid SG : ≥ 0.8
Max Temp & Pr : 300 °C & 100 kg/cm²
MOC : SS304/ 316/ 316L
Contacts : 5A, 250 VAC x 2SPDT,
hermetically sealed
Enclosure : Cast Al. IP66, Ex d IIC, ATEX
Preset Levels : 3 max

Float Pivoted - FPS



CE
Liquid SG : ≥ 0.6
MOC : SS304/316
Contacts : 5A, 250VAC x SPDT/DPDT,
Hermetically sealed switch
Enclosure : Cast Al. IP66 or Ex d IIC or ATEX
Max Temp & Pr : 350 °C & 20 kg/cm²
In Situ Test Device : SS202

Bilge - TBS



CE
Liquid SG : ≥ 0.8
Max Temp : 100 °C
Max Pressure : 10 kg/cm²
MOC : SS316
Contacts : 60VA x SPDT Reed Switch
Hermetically sealed
In Situ Test Device : SS304
Ingress Protection : IP68

Hydrostatic - HLT



Ranges : 2, 3, 5 ... 200 mWC
Over Pressure : 1.5 x Range
MOC : SS316 (IP68) probe, PU cable
Max Temp & Pr : 70 °C & Atm
O/P : 4 - 20 mA
Termination - Cable, Plug Connector, IP66
Enclosure

Electronic Drum Level Indicator + Probes



IBR

- Probes : SS304, 1 to 24
- Column MOC : CS A-106, P11, P22
- Max Temp : 1200 °F
- Max Test Pressure : 3000 psi
- O/P : 8A, 24 VDC/120 VAC (SPDT), 4-20 mA
- Local display, option of remote display

Tubular - TTGB



IBR CE

- Gauge : Tempered Borosilicate
- CCD : 300 - 1500 mm
- MOC : CS (SA 516 Gr 70), SS316
- Max Temp : 200 °C
- Max Test Pressure : 10 kg/cm²
- Process Conn : Flanged, Socket weld

Reflex - RFGB



IBR CE

- Gauge : Tempered Borosilicate
- CCD : 320, 400, 500, 508 mm
- MOC : CS (SA516 Gr. 70), SS316
- Max Temp : 243 °C
- Max Test Pressure : 37.5 kg/cm²
- Process Conn. : Flanged or Socket Weld

Transparent - TFGB



IBR CE

- Gauge : Tempered Borosilicate
- CCD : 320, 400, 500, 508 mm (BTFG upto 1800 mm)
- MOC : CS (SA516 Gr. 70), SS316
- Max Temp : 300 °C
- Max Test Pressure : 120 kg/cm², (BTFG - 75 kg/cm²)
- Process Conn. : Flanged or Socket weld
- BTFG Indication : Water (Green), Steam (Red)

Bicolor Multiport - TBLG



IBR

- Gauge : Aluminosilicate Glass
- CCD : 500 - 1800 mm
- MOC : CS SA516/CS A105, SS316
- No of Ports : 5 to 21
- Process Connection : Flanged, Socket weld
- Max Temp : 300 °C
- Max Test Pressure : 120 kg/cm²
- Indication : Water (Green), Steam (Red)

Magnetic- MLGB



IBR CE

- CCD : 400 - 2000 mm
- Liquid SG : ≥ 0.8
- MOC : SS316
- Max Temp : 250 °C
- Max Test Pressure : 50 kg/cm²
- Indicator : Bicolor Flappers
- Process Connection : Flanged
- Options : Alarm Switches (max 4 no), X'mitter

Vertical Level Control - VLC



IBR

- CCD : 200 - 500 mm
- Liquid SG : ≥ 0.8
- Max Temp : 300 °C
- Max Test Pressure : 50 kg/cm²
- MOC : SS316 float + CS chamber
- Contacts : 5A, 250 VAC x SPDT
- Enclosure : Cast Al. Base + CS Pwdr ctd cover

Float Pivoted - FPSB



IBR CE

- Liquid SG : ≥ 0.6
- MOC : SS316
- Contacts : 5A, 250VAC x SPDT/DPDT, hermetically sealed
- Enclosure : Cast Al IP66 or Ex d IIC or ATEX
- Max Temp : 350 °C
- Max Pressure : 20 kg/cm²

Boiler Cleaning Equipment

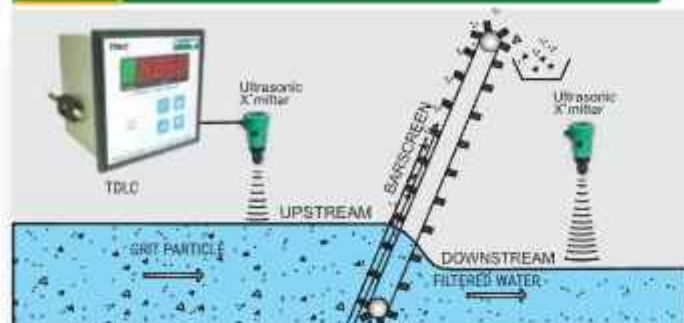


- Coverage: 12000 mm travel
- Travel Speed : 45 mm/s
- Motor: 1.5 KW

Level Control & Monitoring System

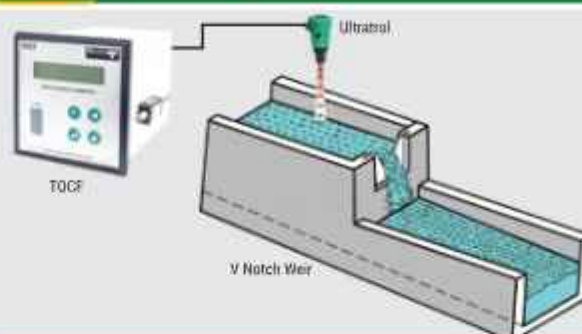
Pune Techtrol has designed smart systems to provide integrated solutions required for process automation and monitoring for better control of various processes to maintain quality of end products and increase plant efficiency.

Bar Screen Differential Level Control- TBDS



Ultratrol (2 nos) + Diff. Level Controller ; Range : upto 12 mtrs
Output: 4 x Relay SPDT ; Indication: Differential level
Max. Temp/Pr: 60 °C/ 1 bar
Application: Bar screen control at WTP, STP & ETP

Open Channel Flow - TOCF



Ultratrol + Flow meter ; Head Height : upto 5 mtrs
Indication: Flow rate, totalized flow
Output: 4 x Relay SPDT ; Max. Temp : 60 °C
Primary Element: V-notch, Rectangular weir, Parshall, Cut throat flume

Tank Content Gauging - TCGS



Service : Water, Fuel Oils
Sensor : Hydrostatic X-mitter
Display : 10" HMI (Main Deck, Bridge Console, Pump Room)
Indication : Volume, Weight & Level
Supply : 230 VAC or 24 VDC

Customized Automation System

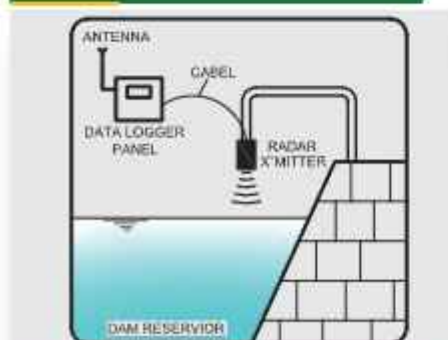


Automatic Water Level Recorder - AWLR



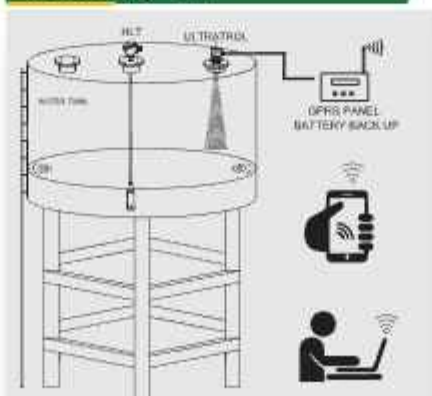
X-mitter : Hydrostatic, Ultrasonic, Radar
Range : 1, 2 ...50, 100, 200 mWC
Data logger : 1, 4, 8 channels
Read out : Indicator, Mobile, PC
Max Temp/Pr : 70 °C, 1 bar
Option : Wireless GSM/GPRS
Applications - Bore well, reservoir level remote monitoring

Dam Water Level Monitoring - BDM



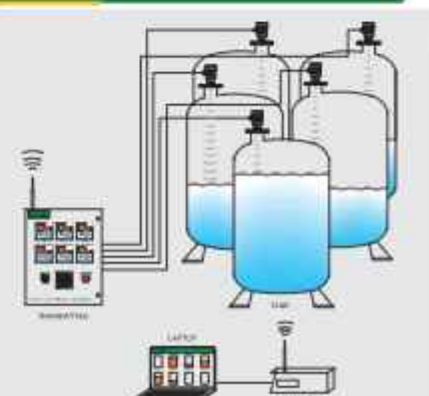
Ultrasonic / Radar Transmitter with Data logger Panel.
Option of GSM or IoT gateway for wireless communication

Battery Operated Level Monitoring - BOM



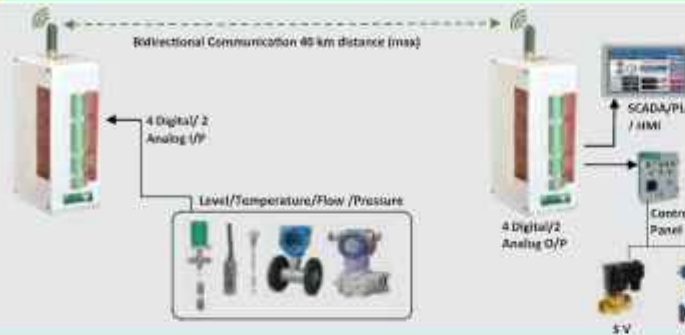
Hydrostatic / Ultrasonic Transmitter with Battery operated Data logger and Remote Monitoring

Tank Farm Monitoring



Monitoring multiple tank levels using wired or wireless communication, with real-time level indication displayed on HMI or SCADA systems

RF Wireless Automation System - TWC



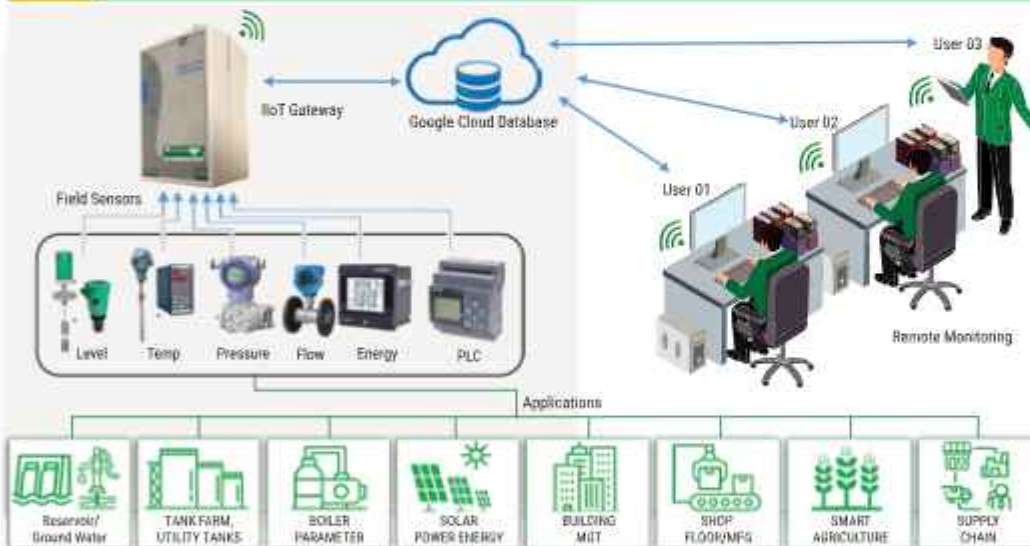
- Wireless transmission (LoRa) of real time data upto 40 km
- Bidirectional communication to execute control action
- Input : 4 Digital, 2 Analog
- Output : 4 Digital, 2 Analog
- Applications : Wireless process automation, remote monitoring using IIoT Gateway

Foam Detection & Control - FDC



- Probe : SS316 x 4 mtrs
- Sensitivity : 0.35 to 100 K Ohm
- Max Temp : 150°C
- Max Pressure : 10 Bar
- O/P : 5A, 250 VAC x 2SPDT or 4-20 mA
- Enclosure : Poly carbonate, IP65

IIoT based Customized Solutions



- Remote Wireless Monitoring of real time data (analog/digital) anywhere, anytime with analytical reports
- Input : 2/4/8 slaves (RS-485)
- 4 configurable alert Emails
- Optional - GSM based control system
- Applications - Ground/dam level, agriculture & smart cities, energy, supply chain, Shop floor, utility.

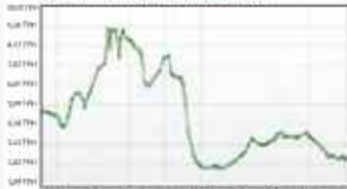
Installation



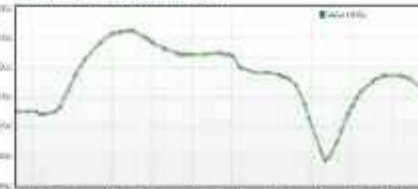
Browser View- Dashboard, Trend Graphs

Sl. No.	Sensor	Last Reading time	Relative	Last Reading Value	Unit	Status	In Status since	Trend Graph
1.	RAW JUICE (SUGAR)	Jan-23 00:37:29	Trend up	9.2	TDE			
2.	SATA FMS STEAM FLOW (SUGAR)	Jan-23 01:27:34	Trend up	4.1	TDE			
3.	MELT FLOW (SUGAR)	Jan-23 00:31:38	Trend up	-0.12	m3/H			
4.	EXPIRY BRIX (SUGAR)	Jan-23 00:31:24	Trend up	84.9	%			
5.	RAH FURNACE (GENP)	Jan-23 00:55:24	Trend up	-0.55	MW			
6.	EXPORT MEGA WATT (GENP)	Jan-23 00:55:24	Trend up	-0.5	MW			

RAW JUICE FLOW (SUGAR) (Maxbus B5ex)



FURNACE TEMP (RAW) (Maxbus B5ex)



On Mobile App



Sight Glass TSG-(F), TSG(D)



- Type : Full View (F), Double Window(D)
- Gauge Glass : Toughened Borosilicate
- MOC : CS, A 105, SS304/316 (F, D type), PP(F Type)
- Max Temp : 150 °C
- Max Pressure : 10 kg/cm²
- Flange size : 15 to 100 NB

External Chamber - ECS



- For side/top mounted Switches/ X'mitter
- MOC : CS, A 105, SS304/ 316, PP
- Max Temp : 350 °C
- Max Pressure : 10 kg/cm²

Water Alarm Gadget - TWAG



- Liquid SG : ≥ 0.7
- Max Temp : 80 °C
- Max Pressure : 10 kg/cm²
- MOC : SS304, Borosilicate Glass
- Termination : Cast Al. IP66 or Plug Conn.
- Contacts : 60 VA x 2 SPDT

Thermocouple



- Types : T, J, K, R, S, E, D, N, B
- Insertion Length : 0.02 to 3 mtrs (Rigid), 50 mtrs (Flexible)
- MOC : SS304/316, Inconel, Monel, Alumina
- Temp Range : 0 to 1700 °C
- Enclosure : Cast Al. IP66 or Ex d IIB/C, ATEX
- Options : Simplex, Duplex
- Controller : Panel mtd: Wall Mtd Exd IIB

RTD



- Types : PT100/1000
- Insertion Length : 0.025 to 3 mtrs (Rigid), 50 mtrs (Flexible)
- MOC : SS 304/316, Ti, Inconel, Monel, PTFE
- Temp Range : -200 to 600 °C
- Enclosure : Cast Al. IP65, Ex d IIB/C, ATEX
- Options : Simplex, Duplex
- Controller : Panel mtd: Wall Mtd Exd IIB

RTD with Indicator



- PT100 sensor, Temp Range : upto 300 °C
- O/P : 4-20mA
- Indication : 4 digit Display With DIN Connector

Thermowell



- Types: Fabricated, Barstock
- Insertion Length : 10 to 3000 mm
- MOC : SS304/316, Inconel, Monel
- Max Temp : 1200 °C
- Max Pressure : 250 kg/cm²
- Pr. Conn : Weld-In, Threaded, Flanged, Sanitary or Vanstone

Temperature Transmitter



- Input : All types of thermocouple & RTD
- Supply : 7.5 to 45 VDC
- O/P : 4-20 mA
- Mounting : Head Mtg. or DIN Rail

Temperature Gauge



- Types : Bimetallic or Gas filled
- MOC : SS stem & housing
- Dial Size : 4" , 6"
- Entry : Bottom, back or all angle



System Design
& Architecture



Project
Engineering



Equipment Selection
& Procurement



System Integration



Inspection



Installation
& Commissioning



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We provide turnkey solutions for process automation as well as electrical systems to chemical, pharmaceuticals, biotech industries, electrical power generating stations, water treatment and effluent treatment plants..



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*H.O.: HEAD OFFICE, B.O.: BRANCH OFFICE

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TWIDS MAGNETIC FLOAT PIVOTED LEVEL SWITCH
MARINE APPLICATIONS WATER ALARM GADGET
LEVEL MEASUREMENT TANK MONITORING
TTMS TECHTROL FULL VIEW SIGHT GLASS INSTRUMENT CHAMBER
TAPS HYDROSTATIC LEVEL TRANSMITTER WATER ALARM GADGET
MINI FLOAT GUIDED LEVEL SWITCHES CALIBRATION POT

MINI FLOAT PIVOTED LEVEL SWITCHES FOR LIQUIDS
TANK CONTENT GAUGING SYSTEM VIBRATING ROD
REFLEX VF03 (MARINE) - TCGS

BITUMEN FLOAT - FLB
THERMOCOUPLE
GUIDED WAVE RADAR
GAUGES MFCG

ULTRACOMP REFLEX LR ULTRASONIC TRANSMITTER - ULTRACOMP CMLG
ULTRASONIC (NON CONTACT) LEVEL TRANSMITTERS ULTRATROL ULTRASONIC LEVEL TRANSMITTER

SURESENSE FOAM CONTROL - DI FOAM FOAM CONTROL - MULTI SENSE FOAM DETECTORS
VIBRATING DIAMOND MINI TUBULAR LEVEL GAUGE CABLE SUSPENDED TILT SWITCHES
DISC RF ADMITTANCE TBLG MAGNETIC FLOAT OIL GAUGE DRFA MINI DIPSTICK GAUGE

VERTICAL LEVEL CONTROL
DIPSTICK GAUGE SWITCHES BI-COLOR MULTI PORT LEVEL GAUGE
WELD PAD LEVEL GAUGE COMPACT MAGNETIC LIQUID LEVEL GAUGE

TRANSPARENT FLAT GLASS MFCG MAGNETIC LIQUID LEVEL GAUGES
TUBULAR LEVEL GAUGE OIL LEVEL GAUGE THERMOWELL

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- Level Gauges for Liquids
- Level Switches for Liquids & Solids
- Level Transmitters for Liquids & Solids
- Tank Gauging & Recording Systems
- Temperature Sensors & Thermowells
- IIoT based Remote Monitoring System
- Turnkey Project & Automation System

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