

ACCELERATING... INNOVATION

CONDENSED CATALOG

Order from: **C A Briggs Company**

622 Mary Street; Suite 101; Warminster, PA 18974

Phone: 267-673-8117 - Fax: 267-673-8118

Sales@cabriggs.com - www.cabriggs.com



**Corrosion-Free
Instrumentation Equipment**

About Us

ICON PROCESS CONTROLS Offers Industry's Most Extensive Line of Corrosion Free Industrial Process Instrumentation Control Equipment.

ICON PROCESS CONTROLS Designs, Manufactures and Distributes **Best of Class** Flow | Level | Pressure and Temperature Sensors, Controls, and Accessories

Built to Outperform and Function Seamlessly in Industry's Toughest Corrosive Applications.

truflo[®]



F

L

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W



truflo[®]

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TI-V SERIES

Insertion Paddle Wheel Flow Meter



- Life-Time Warranty
- Industry's Most Accurate $\pm 0.5\%$
- LED Display
- ShearPro[®] Airfoil Rotor Design
- 45% Longer Battery Life vs. Competition

- Superhydrophobic ShearPro[®] Paddle
- Zirconium Ceramic Rotor Pin | Bushings
- PVC | PP | PVDF | 316 SS
- No K-Factor Programming

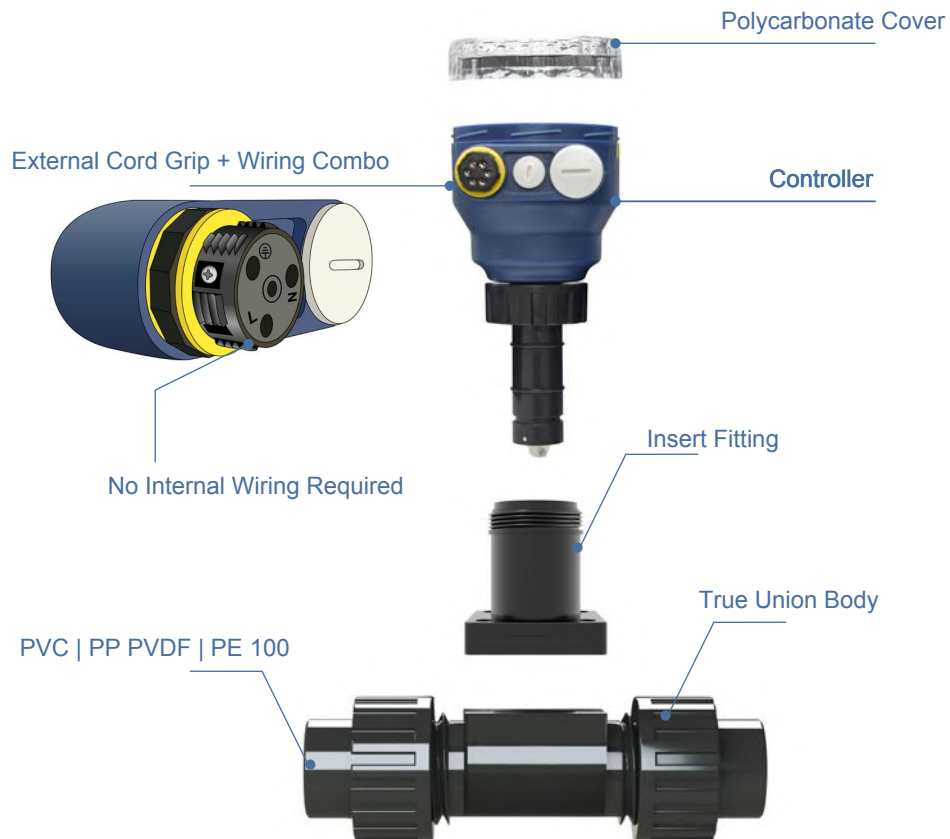
2ⁱⁿ1 Wire Connector
+ Cable Gland Combo

All Wiring Done Externally



**45% Longer Life Battery
Life vs. Leading Competitor**

Exploded View



- 330° Degree Rotating Display
- PVC | PP | PVDF
- Size Range: 1/2" - 24"
- Bright LED Display*

Tee-Fitting Sold Separately

TI SERIES

Insertion Paddle Wheel Flow Meter



- Life-Time Warranty
- Industry's Most Accurate $\pm 0.5\%$
- LED Display
- ShearPro[®] Airfoil Rotor Design
- 4 | 7.5 Year Battery Life

- Superhydrophobic ShearPro[®] Paddle
- Zirconium Ceramic Rotor Pin | Bushings
- PVC | PP | PVDF | 316 SS

Exploded View



- 330° Degree Rotating Display
- PVC | PP | PVDF
- Size Range: 1/2" - 24"



New ShearPro® Design

- Superhydrophobic Design Contoured Flow
- Airfoil Design = 78% Less Drag than Flat Paddle
- Design* Reduced Turbulence



Rotor Design

- Zirconium Ceramic Rotor Pin & Bushings
Up to 15x the Lifespan of Regular Ceramic
- ETFE Tefzel® Rotor Exceptional Chemical Resistance
Only surpassed by Teflon®
- Outstanding Creep Resistance
- Superior Impact Resistance
- Exceptional Temperature Range
- Nano Polished Finish - Reducing Friction & Fatigue

Zirconium Ceramic Rotor | Bushings

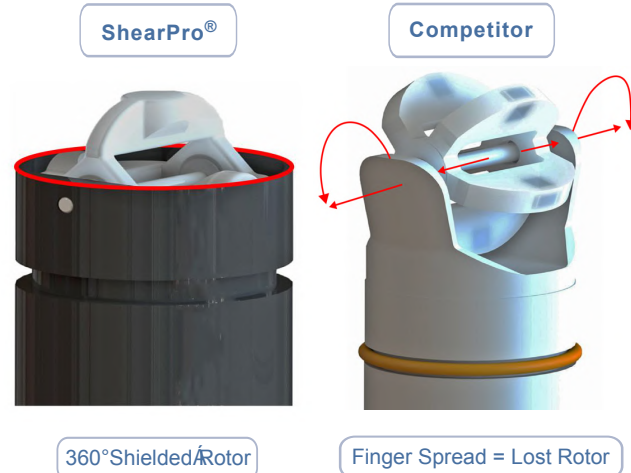
- ❑ Industry's Highest Impact and Chemical Resistant Properties
- ❑ Up to 15x the Wear Resistance vs. Regular Ceramic
- ❑ Nano-Polished Mirror Finished vs. Regular Ceramic - Less Friction
- ❑ Integral Rotor Bushings Reduce Wear & Fatigue Stress



Shielded Rotor Design

- Protects Rotor Pin Against Particulate
- Reduces Entrapment of Foreign Objects
- Reduces Turbulence
- More Robust Rotor Assembly

- ❑ Eliminates Finger Spread
- ❑ No Lost Paddles
- ❑ Increased Temp. Rating
- ❑ Protects Rotor Pin
- ❑ Reduced Turbulence



*Ref: NASA "Shape Effects on Drag" **

TI SERIES

In-Line Paddle Wheel Flow Meter

TI SERIES - Five Unique Models



TIW

- Pulse Output
- Quick Connect
- Flying Lead

TIR

- Pulse
- 4-20mA
- LED Display



TIB-H

- Battery Powered
- Flow + Total
- High | Low Visual Alarms



TIB-V

- Battery Powered
- Flow + Total
- High | Low Visual Alarms



TIP-H

- Flow + Total
- Pulse Output
- RS-485 Modbus*



TIP-V

- Flow + Total
- Pulse Output
- RS485 Modbus*

* Optional

TI SERIES

In-Line Paddle Wheel Flow Meter



TIM-H

- Flow + Total
- 4-20mA + Pulse
- 0-5V*



TIM-V

- Flow + Total
- 4-20mA + Pulse
- 0-5V*

Installation Fittings



CPVC

PT | PPT | CT

- PVC | PP | CPVC
- 1/2" - 4"
- True-Union Sch 80 | Flanged | Butt | Soc | NPT



PVC | PP



PVC Saddle Clamps

- 1/2" - 8"
- Wedge Clamping Design



PVC



* Optional

TK SERIES

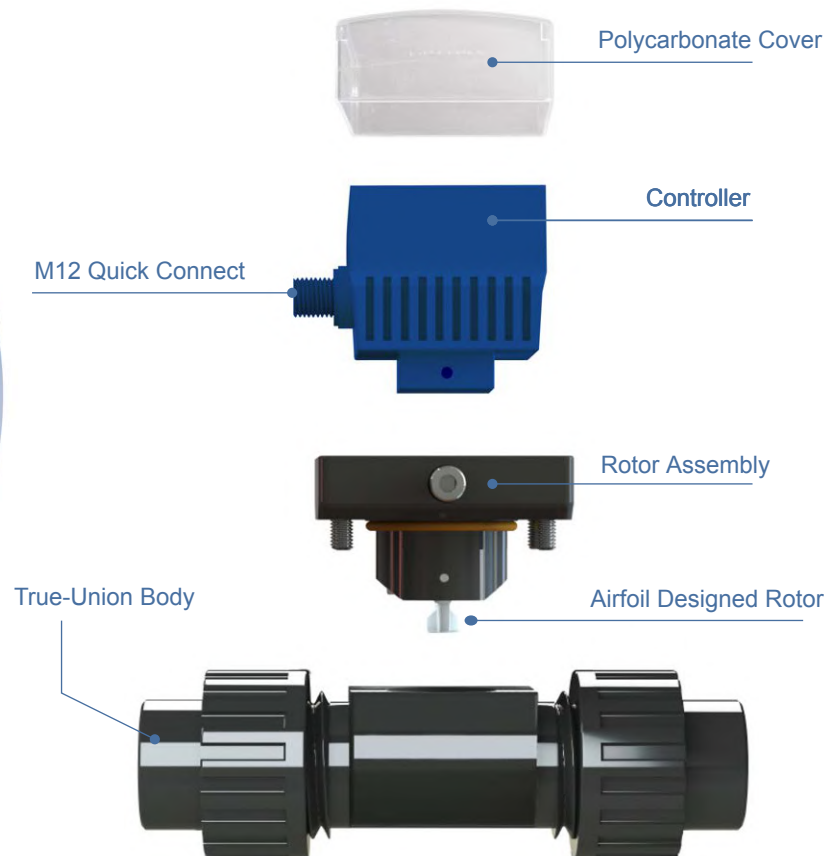
In-Line Paddle Wheel Flow Meter



- ❑ Lifetime Warranty
- ❑ Industry's Most Accurate $\pm 0.5\%$
- ❑ No K-Factor Programming
- ❑ Bright LED Display
- ❑ True Union | $\frac{1}{2}$ " - 4"

- Superhydrophobic ShearPro® Paddle
- Zirconium Ceramic Rotor Pin | Bushings
- Industry's Highest Accuracy : $\pm 0.5\%$
- PVC | PP | PVDF | 316 SS
- No K-Factor Programming

Exploded View

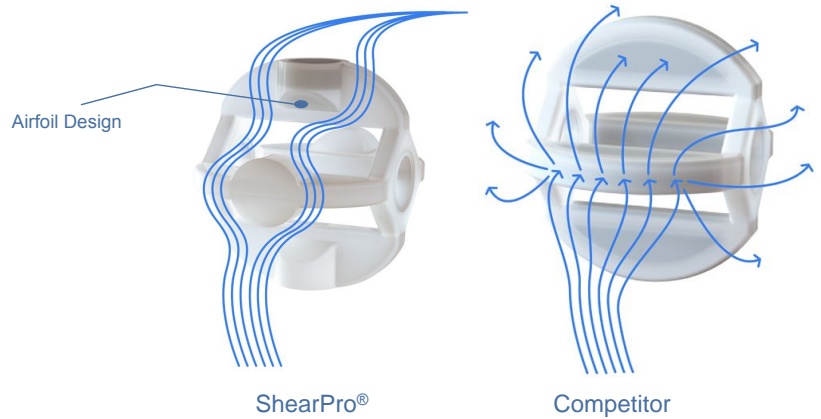


- 360° Degree Rotating Display



New ShearPro® Design

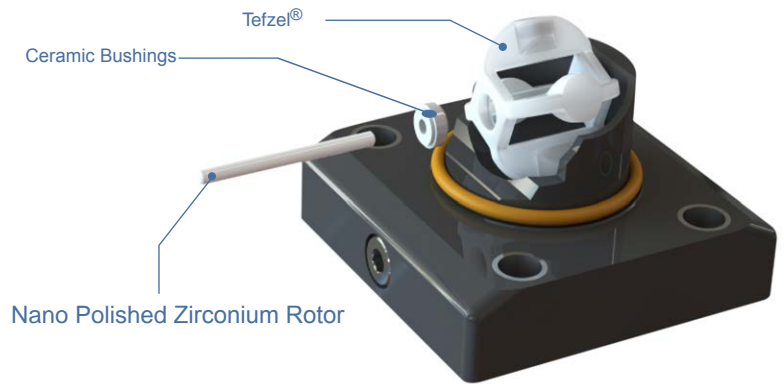
- Superhydrophobic Design Contoured Flow
- Airfoil Design = 78% Less Drag than Flat Paddle Design*
- Reduced Turbulence



*Ref: NASA "Shape Effects on Drag" **

Rotor Design

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Up to 15x the Lifespan of Regular Ceramic
- ETFE Tefzel® Rotor Exceptional Chemical Resistance
Only surpassed by Teflon®
- Outstanding Creep Resistance & Impact Resistance
- Exceptional Temperature Range
- Nano Polished Finish - Reducing Friction & Fatigue



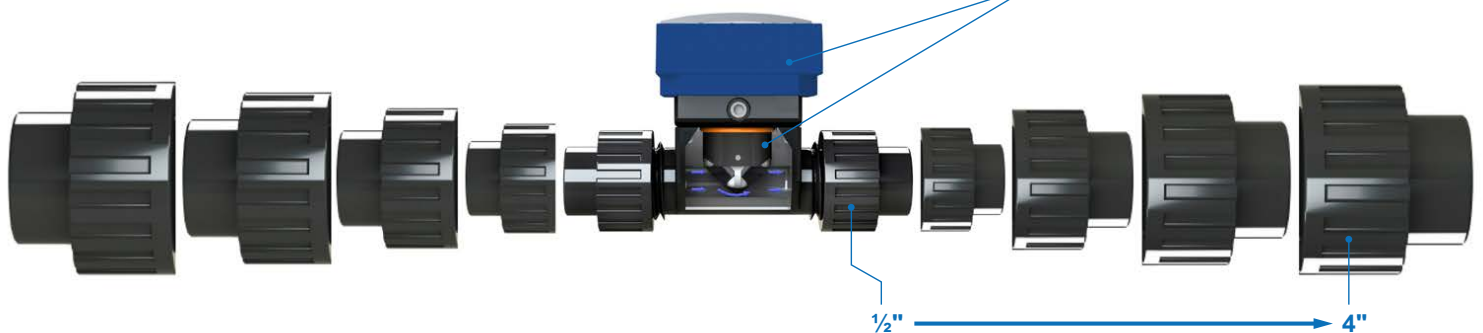
Design

- No K-Factor Programming
- LED Display } Easily Visible from a Distance in Dim Lit Conditions
- 360 Degree Rotating Display } Horizontal - Vertical Viewing
- M12 Quick Power Connection } Quick Chang-Outs
- Universal Display + Paddle Assembly for all Sizes
- PP & PVDF Butt or Socket SDR Fusion Connections



Exploded View

Display & Paddle Assembly Interchangeable for all sizes



TK SERIES

In-Line Paddle Wheel Flow Meter

TK SERIES - Five Unique Models

- Blind | Pulse | 4-20 | V Battery
- Battery Operated
- Flow + Pulse + Relay
- Flow + Total | Pulse + RS485
- Flow + Total | Pulse + 4-20mA



360°



360°



TK SERIES

In-Line Paddle Wheel Flow Meter

TK3 SERIES

- 316 SS Body + Rotor Housing
- Zirconium Ceramic Pin & Bushings
- ETFE Tefzel® Rotor
- Industry's Most Accurate 0.5%



TK3W

- Pulse
- 4-20mA + Pulse
- 0-5V



TK3B

- Battery Operated
- Rate & Total

360°



TK3S

- Flow Rate
- Frequency Pulse + Relay Output



TK3P

- Rate & Total
- Frequency Pulse
- RS485* Modbus

360°



TK3M

- Rate & Total
- Pulse
- 4-20mA

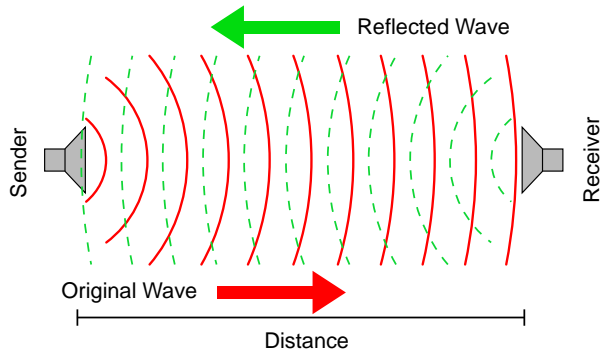
*Optional

UltraFlo® SERIES

Ultrasonic Flow Meters

UltraFlo® Ultrasonic Flow Meters

- Accurately Measure Very Low Flows
- Perfect for Chemical Dosing | Pulsating Flows
- PE | PFA Teflon® | Polysulphone



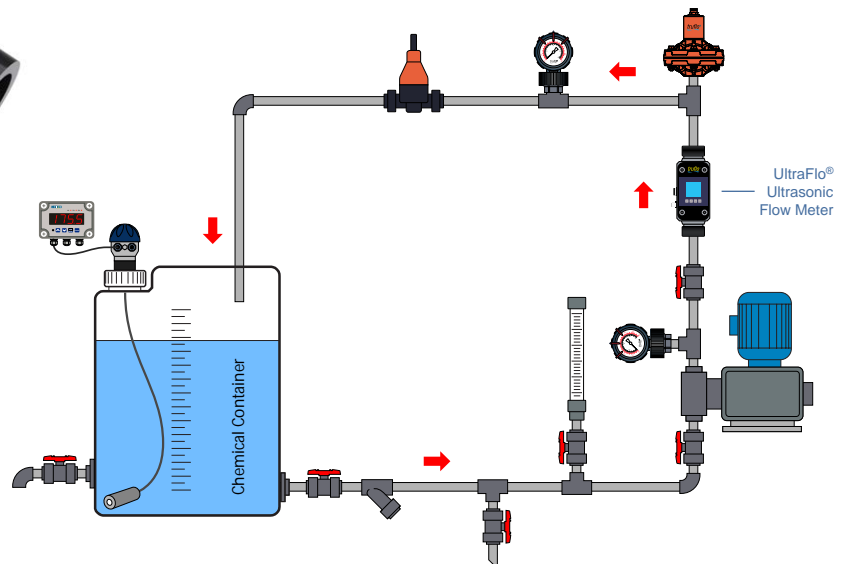
UltraFlo® 1000

- Flared Tubing Connections
- PFA Teflon®
- High Purity



UltraFlo® 500

- Clamp On Design- No Need to Cut Pipe PVC |
- PP | PVDF | PE | 316 SS | Copper Pipe
- Size Range: ½ - 2"
- Bright LCD Display*



UltraFlo® SERIES

Ultrasonic Flow Meters

UltraFlo® Ultrasonic Flow Meters



UltraFlo® 1000

- High Purity Flared Tubing
- Connections PFA Teflon® Body
- 4-20mA + Pulse + RS 485 Modbus



UltraFlo® 2000

- 2" NPT | G Connections
- PE Body
- 4-20mA + Pulse + RS485



UltraFlo® 1000

- 1/2" | 3/4" | 1" NPT
- PSU Polysulphone Body
- 4-20mA + Pulse + RS485



UltraFlo® 2000

- 1/2" | 3/4" | 1" NPT Connections
- PVDF | PE Body
- 4-20mA + Pulse + RS485

UF 500

Clamp-On Ultrasonic Flow Meter

- Ø Large LED Display
- Ø Works on PVC | PP | PVDF | PE | SS | Copper Pipe
- Ø Pipe Size ½ - 2"
- Ø High Accuracy | ± 2.0 of Full Scale



UltraFlo H20

UltraSonic Flow Meter

- Ø 10yr Battery Life
- Ø Full Port Design
- Ø Submersible
- Ø 2 - 6" Pipe Sizes
- Ø Easy Installation



ProPulse®

Turbine Flow Meter

- Ø PVDF Body | Rotor | Sapphire Bearing
- Ø High Accuracy | ± 1.0 of Full Scale
- Ø Ultra Low Flow Ranges: 50 ml/min | 0.013 GPM
- Ø ½" Tube | ¾" Pipe Connections
- Ø NPN Frequency Pulse Output



MF-1000

In-Line Mag Meter

- Ø Heavy Duty Design | No Moving Parts
- Ø Size Range: ½ - 12"
- Ø High Accuracy: $\pm 0.5\%$ | $\pm 0.25\%$
- Ø 4-20mA | Pulse | RS485
- Ø PTFE Teflon® Liner
- Ø Local or Remote Display



PRESSURE



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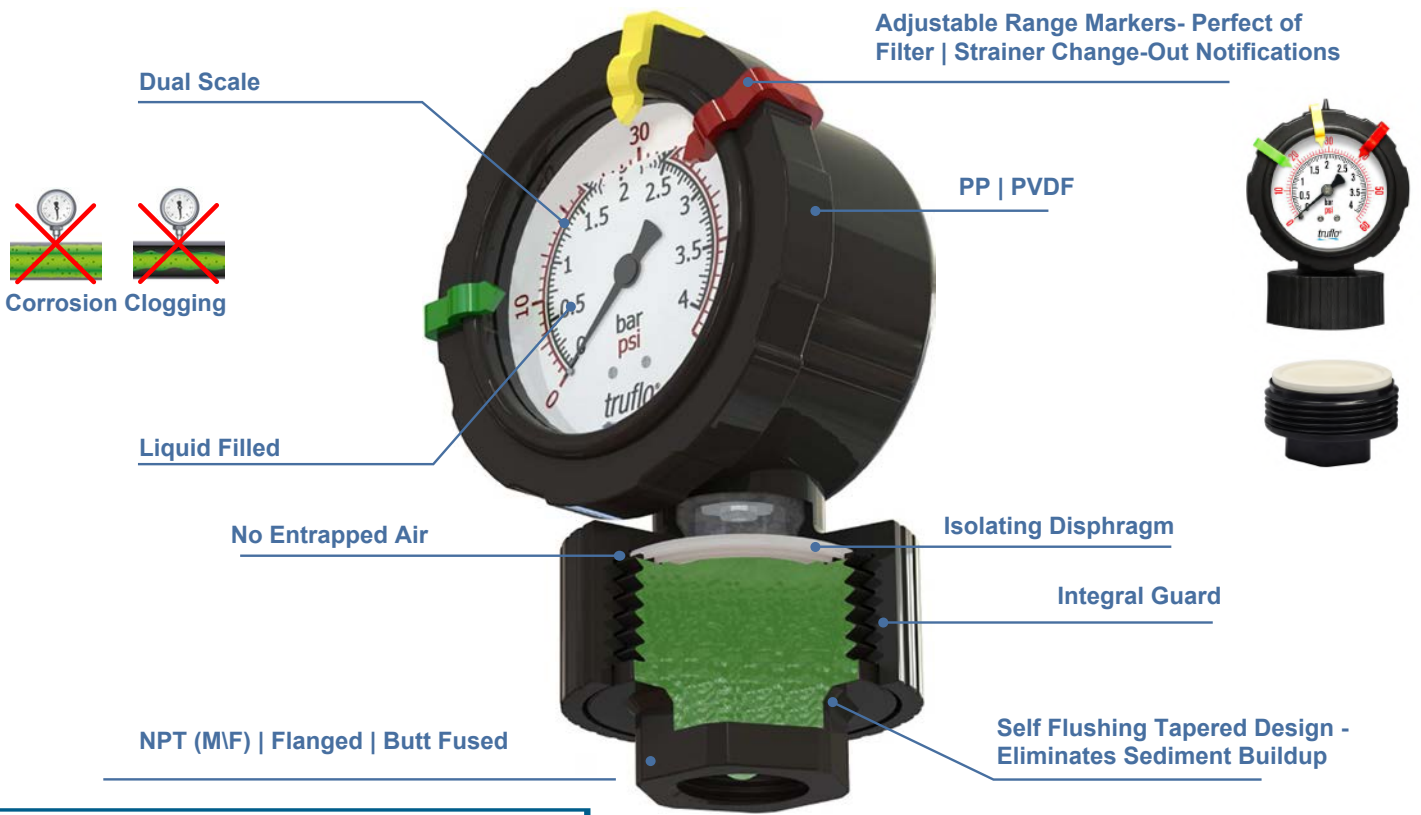


OBS Series } One -Piece Design

- Ø Completely Corrosion Resistant PP or PVDF Housing
- Ø Integrally Molded Guard - One Piece Design
- Ø 2½ - 3" Display
- Ø Configurable Range Markers
- Ø Industry's Highest Accuracy - No Air Bubbles

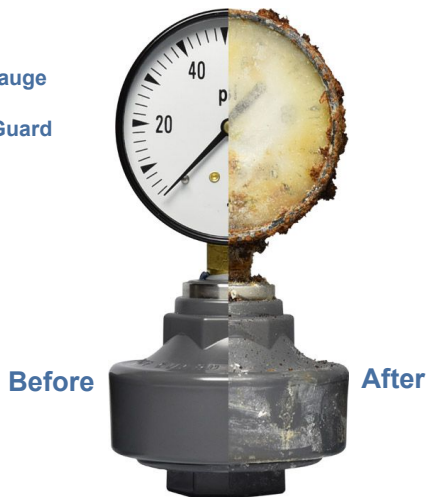


NO COSTLY FILLING



Corrosive Environment - 6 Months

Metal Gauge & Plastic Guard



PP Plastic Gauge & Integral Guard



OBS SERIES

Plastic Pressure Gauges

OBS Series

Plastic Gauge with Integral Gauge Guard

- Ø Teflon® Diaphragm
- Ø Available in PVC | PP | PVDF
- Ø Designed to Act as Visual Pressure Alert
- Ø Pressure Range Markers - **Red** | **Yellow** | **Green**
- Ø High Accuracy: $\pm 1.5\%$
- Ø Factory Pre-Filled
- Ø One-Piece Molded Design (No Assembly)
- Ø 2½" Dial Size
- Ø MNPT | FNPT | Flanged



Corrosion Clogging



2VU

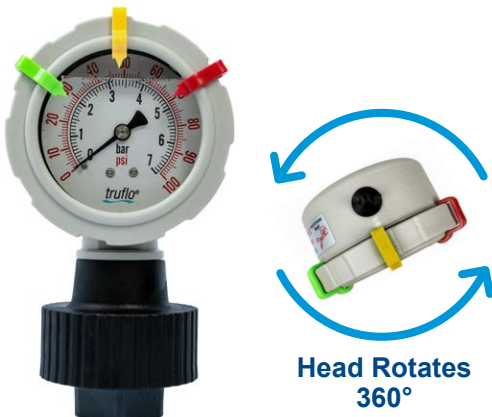
Double Sided Display



Big Ass Gauge

BAG

Extra Large 3" Dial



Head Rotates
360°

OBS-R

360° Rotator

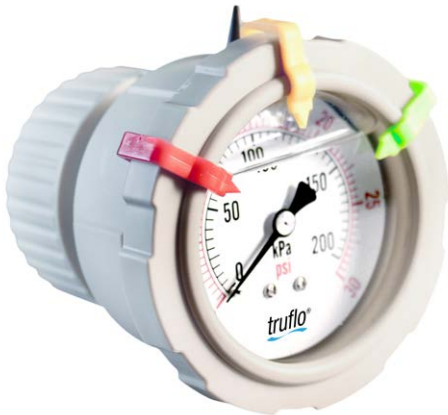


OBS-A

Panel Mount

OBS SERIES

Plastic Pressure Gauges



OBS-B
Center Mount



OBS-LC
LCD Battery Operated

OBS-LE Series

Pressure Transmitter + Switch All Plastic Gauge + Guard Red - Green LED Display

- Ø 4-20mA Output
- Ø 2 Pulse Relay Outputs
- Ø LED Display-Changes from **Green** to **Red** when Relay are Active
- Ø Teflon® Diaphragm
- Ø PVC | PP | PVDF



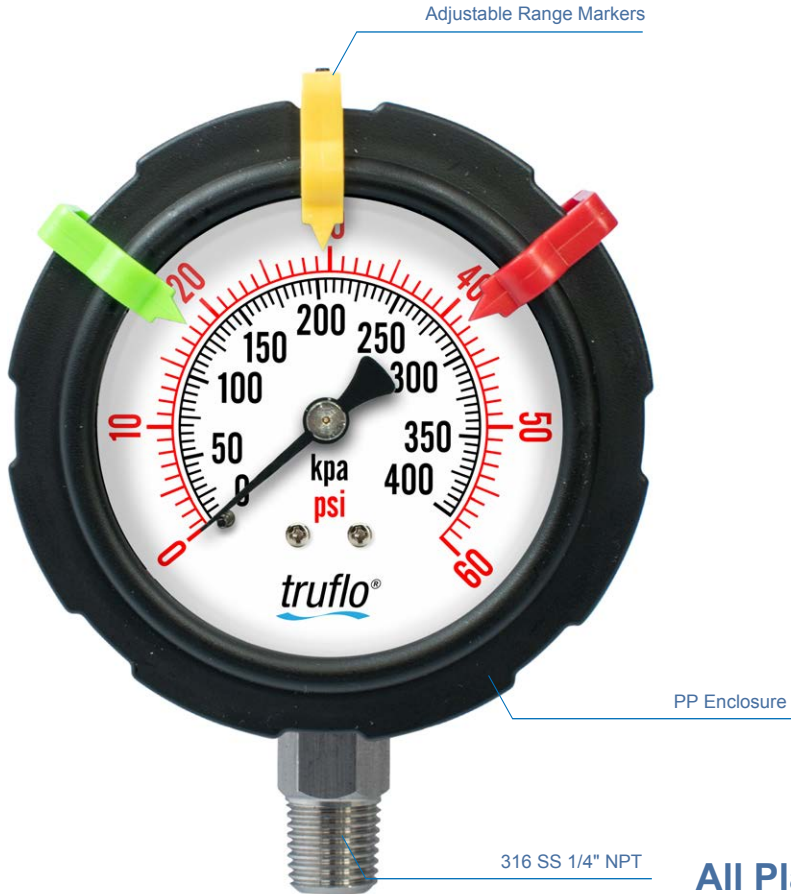
OBS-C
Center Mount



OBS-P
Panel Mount

CORROSION

Solving Industry's Most Corrosive Applications



OBS-GO Series

All Plastic Pressure Gauges

- Ø PP Housing Material
- Ø Factory Pre-Filled
- Ø 2½" Dial Size
- Ø ¼" 316SS NPT Connection
- Ø Adjustable Range Markers Perfect for Filter | Strainer Change Out

All Plastic Body Ensures Gauge is Suitable for Corrosive Environments



OBS SERIES

Plastic Pressure Gauges

OBS Series

Plastic Gauge 316SS NPT Connection

- Ø Available in Corrosion Resistant PP Housing
- Ø Designed to Act as Visual Pressure Alert
- Ø Pressure Range Markers - Red | Yellow | Green
- Ø High Accuracy: $\pm 1.5\%$
- Ø Factory Pre-Filled
- Ø 2½" Dial Size
- Ø ¼" 316SS NPT | G Connection



316SS 1/4" NPT | G Thread

OBS-GO



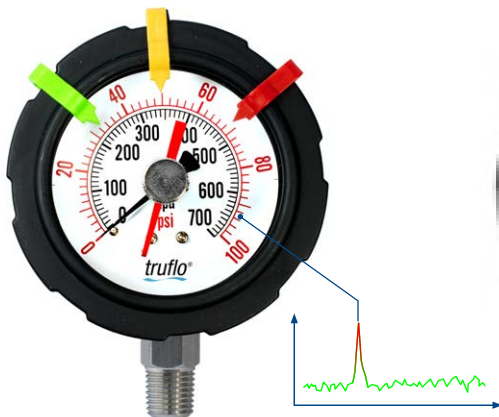
OBS-DGO
Double Sided



OBS-GO-C
Center Mount



OBS-V
Compound Vacuum
-30 + 30 PSI Range



OBS-TT
Tell Tale
Indication of Pressure Surges or Spikes



OBS-GO4
4½" Dial Size



GI Series
All Plastic Gauge Isolator

PR + LP SERIES

Plastic Pressure Transmitters



PPT

Pressure Transmitter & Switch

- Ø Accuracy : $\pm 1.0\%$ F.S
- Ø PP | PVDF | 316 SS
- Ø Ceramic Diaphragm
- Ø 2 Relay Output | 5A | NPN* | PNP*
- Ø 4-20mA | RS485*
- Ø Alarm Status - LED Display Changes from **Green** to **Red**



Ceramic Sensing Diaphragm

PPS

Pressure Transmitter & Switch

- Ø Accuracy : $\pm 1.0\%$ F.S
- Ø PP | PVDF | 316 SS
- Ø Ceramic Diaphragm
- Ø 2 Relay Outputs |
- Ø 4-20mA | RS485 *
- Ø Alarm Status - LED Display Changes from **Green** to **Red**



PRD

OEM Pressure Transmitter

- Ø Accuracy: $\pm 1.0\%$ F.S
- Ø PP | PVDF | 316 SS
- Ø Ceramic Diaphragm
- Ø 2 Relay Output | 3A | NPN* | PNP*
- Ø 4-20mA | RS485*

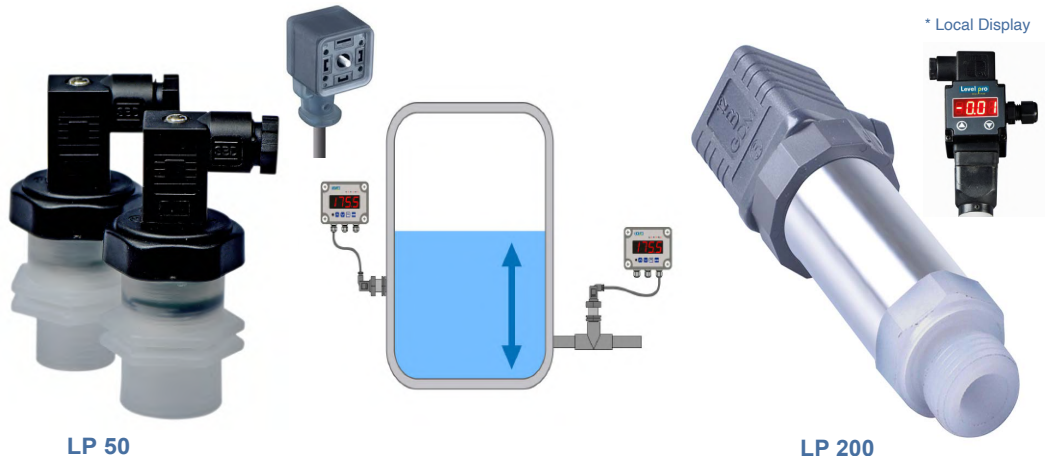


LP50 | LP200

Pressure Transmitter

- Accuracy: $\pm 0.5\%$ F.S
- PP | PVDF | 316SS
- Ceramic Diaphragm
- 2 Wire Loop Powered 4-20mA Output
- Hirschman DIN Connection
- NPT | Male | Female

*Optional

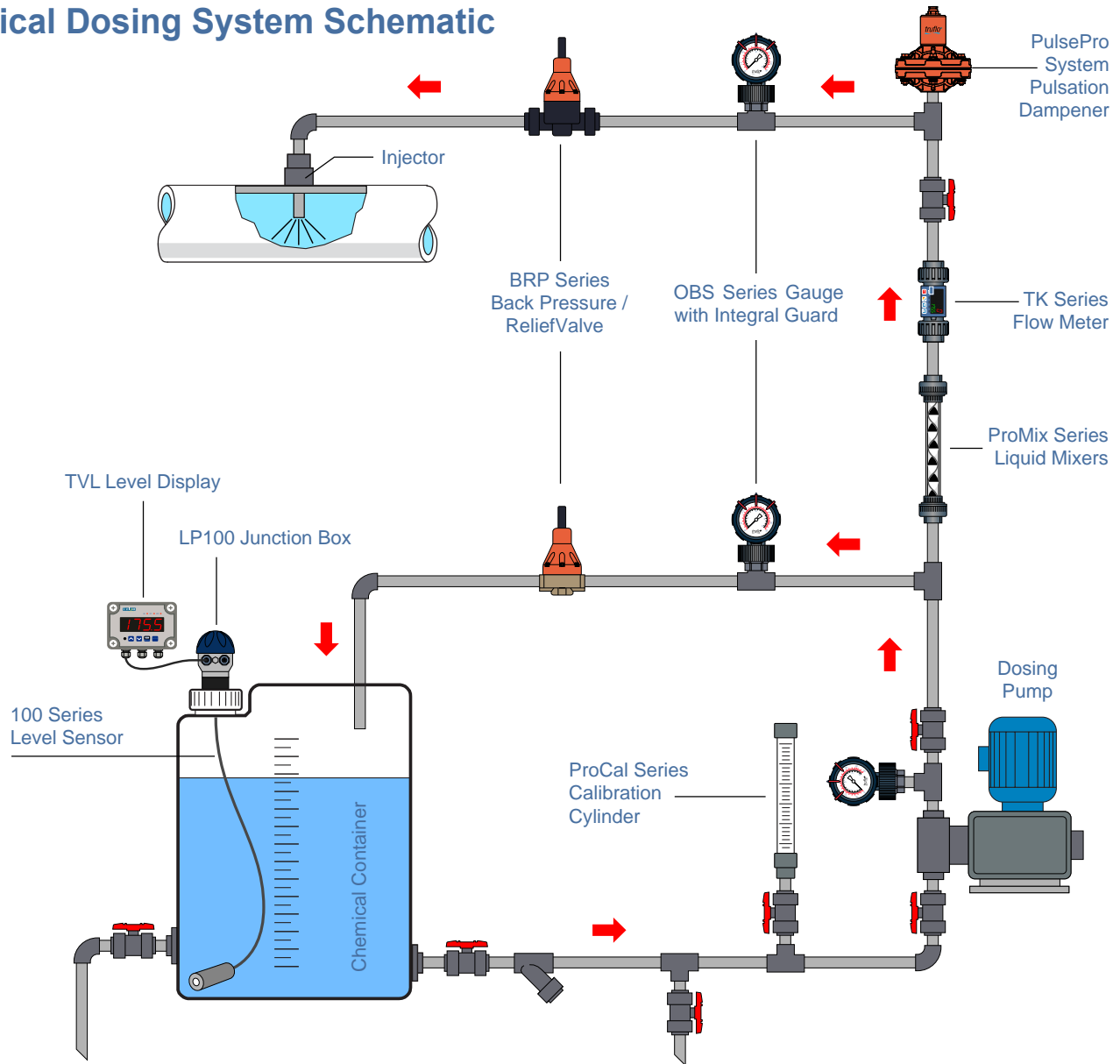


LP 50

LP 200

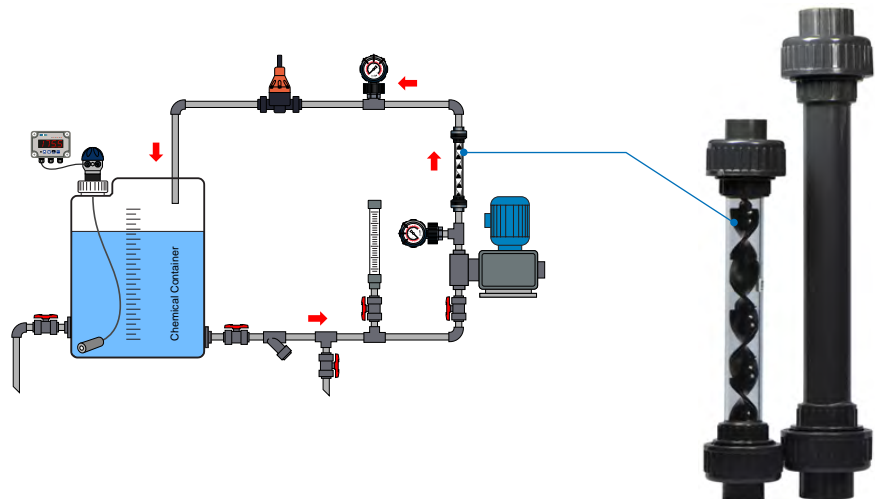
* Optional

Typical Dosing System Schematic



ProMix® PVC Static Liquid Mixers

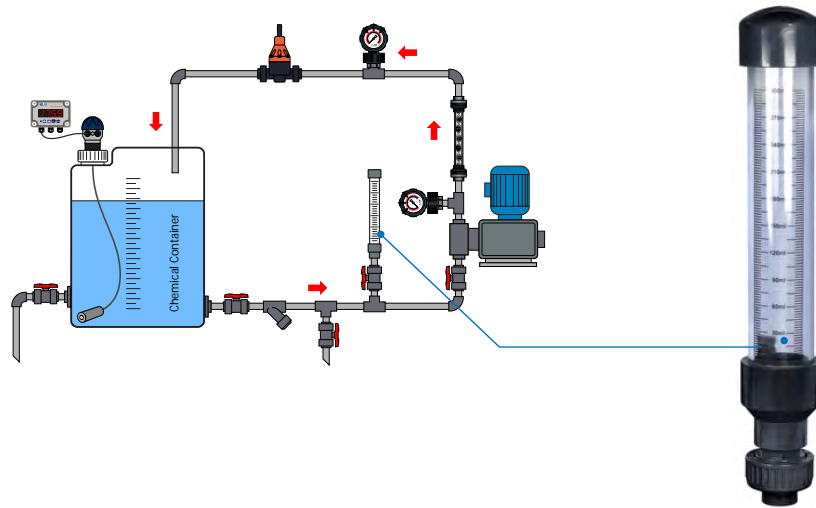
- Clear | Solid PVC Tube
- True-Union Design
- Engineered 'Bow-Knot' for Better Mixing
- Size Range: ½ - 4"



CalPro

Calibration Column

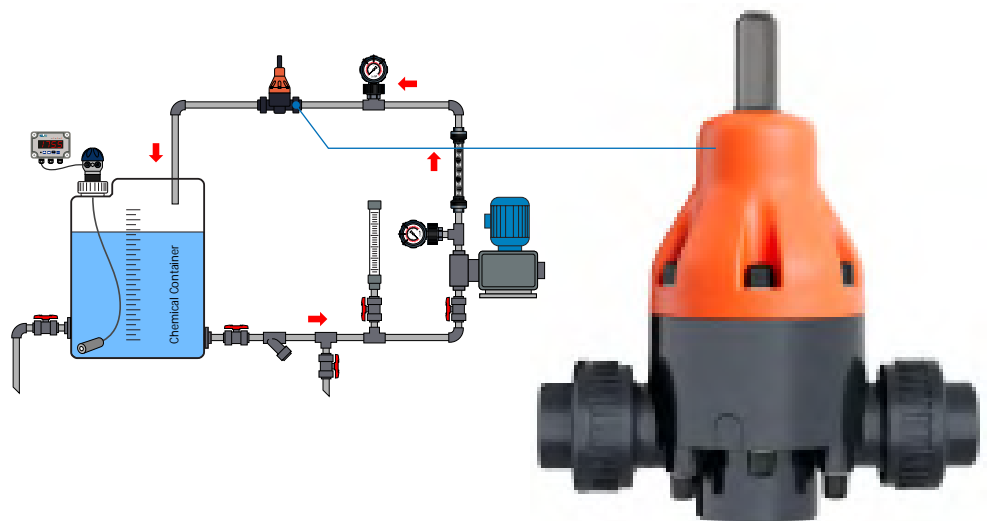
- Clear PVC
- Easy to Read Clear Markings
- True-Union Connection
- Std Dust Cover
- Ranges: 100ml - 10,000ml



BRP

Back Pressure Relief Valve

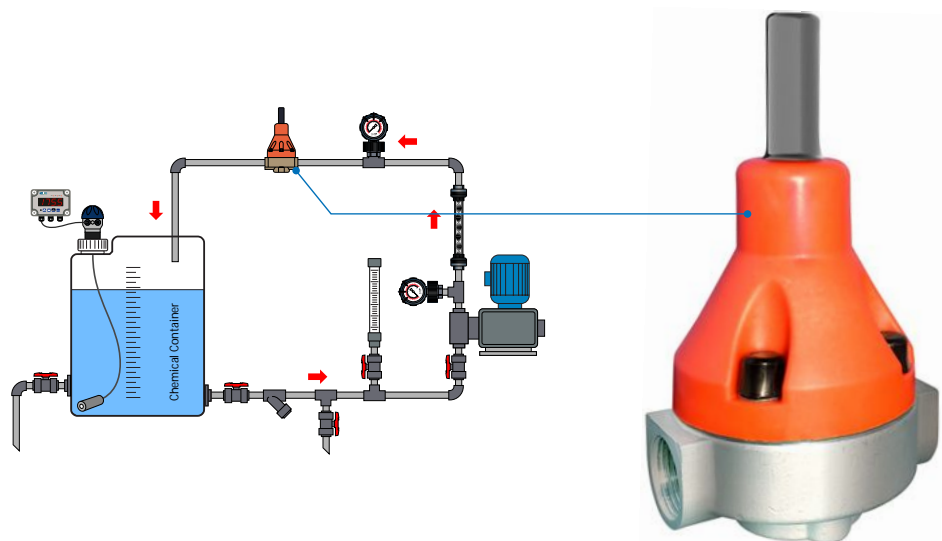
- PTFE Teflon Diaphragm
- PVC | CPVC | PP | PVDF
- True-Union Plastic Body
- Ranges: 5-150 psi | 10-235 psi
- NPT | Socket | Flanged



BRP3

316 SS Back Pressure Relief Valve

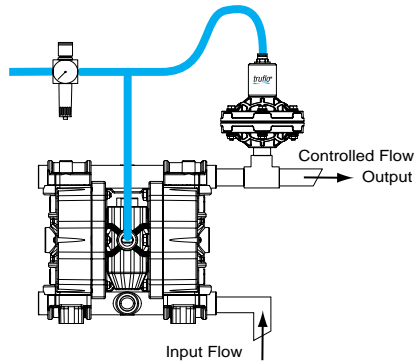
- Teflon® Bonded EPDM Diaphragm
- Ranges: 5-150 psi | 10-235 psi
- NPT Connections



PulsePro®

Pulsation Dampener + Surge Suppressor

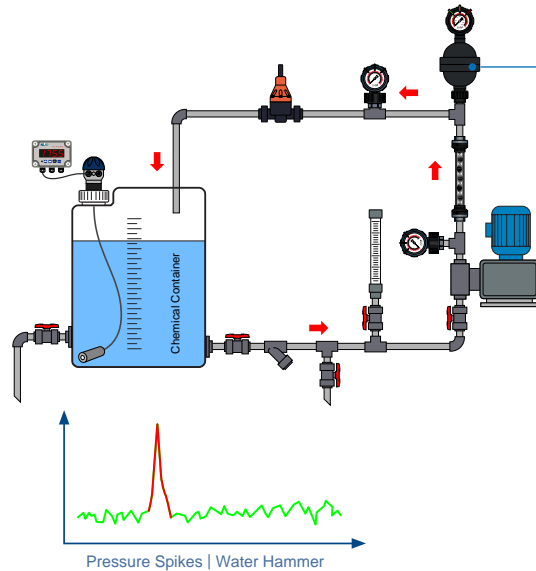
- All Plastic design GFPP | GFPVDF | PTFE
- No Pre-Charging Required
- Long Lasting Heavy Duty Diaphragm
- Self-Adapting Technology



PulsePro® PV

Pulsation Dampener + Surge Suppressor

- PVC Body | FPM Diaphragm
- Pre-Charged- Field Adjustable
- Reduces Pulsations by > +95%
- True-Union Connection



PulsePro® PF

Pulsation Dampener

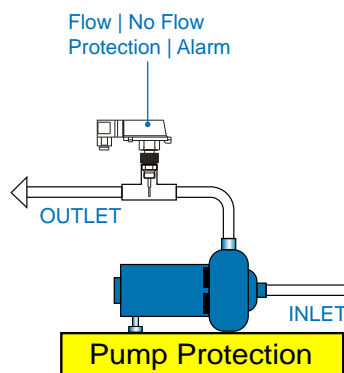
- Glass Filled PP | PVDF | 316 SS
- Direct Acting
- Pre-Charged | Adjustable
- FPM | PTFE Diaphragm
- Reduces Pulsations by ±95%



FES

All Plastic Flow Switch

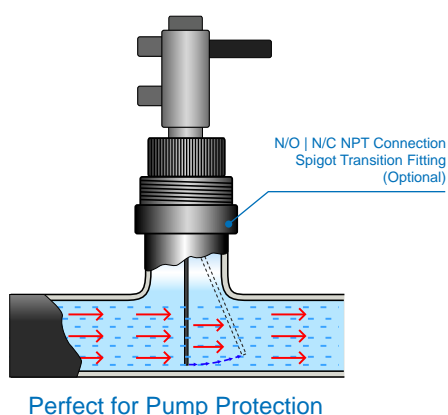
- All Plastic Construction
- In-Line Design | Insertion Style
- Corrosion Resistant PP Body & Paddle
- Size Range: ½ - 8"
- Can be Easily Changed from Normally Open to Normally Closed
- DIN Quick Connection



UFS

All Plastic Flow Switch

- RYTON® Body
- Size Range: ½ - 16"
- Excellent for Low or High Temperatures
-25 - 90°C | -4 - 194°F
- No Power Required
- Excellent Pump Protection



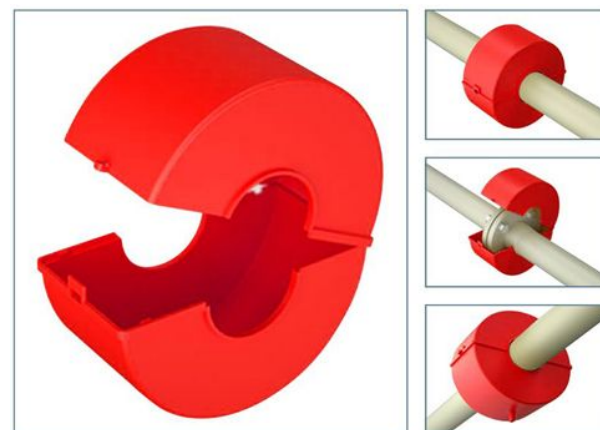
LFS

All Plastic Flange Spray Shields

- Ø PP Solid Construction
- Ø Size Range: ½ - 12"
- Ø Reusable
- Ø No Tools Required
- Ø Quick Installation
- Ø 360° Directional Discharge Port*



NC-25 Leak Detection Sensor



P2R

Power Supply Switch + Timer

- Converts 90-250 VAC to 24 VDC
- Supplies 24 VDC Power to Instrument or Sensor
- Timer On | Timer Off | 0-5 Sec Delay
- NPN | PNP Pulse Input to 5 Amp Relay Output



Level pro

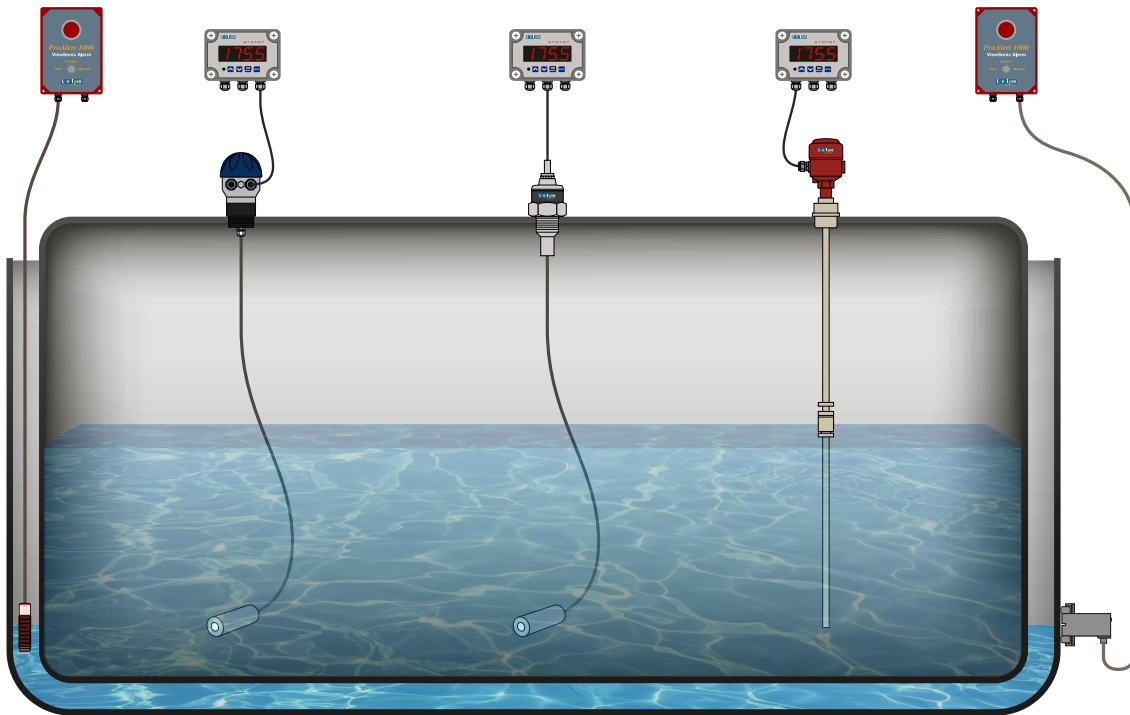
LEVEL



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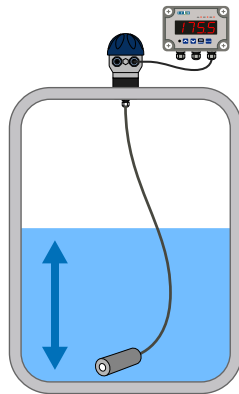
for more information visit www.iconprocon.com

Submersible



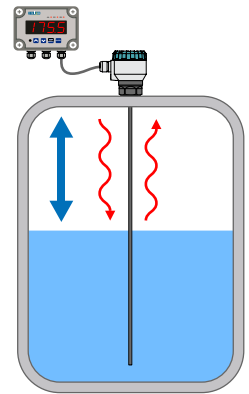
Submersible Level Sensor

- Measures Head Pressure above the Sensor
- Unaffected by Foam | Vapor | Turbulence | Condensate
- No Programming Required
- PVC | PP | PVDF | PTFE | 316SS Sensor Materials
- Sensor Sits on Bottom of Tank



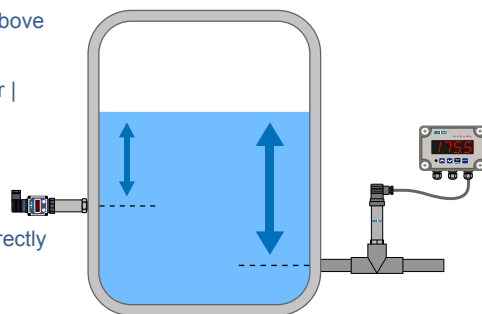
Guided Wave Level

- Light travels to the cable until it reaches the surface
- Unaffected by Foam | Vapor | Turbulence | Condensate
- Can be used to measure different levels within the tank i.e. Sludge
- PFA Teflon® Coated Cable
- Excellent Choice for Difficult Level Applications
- Rope or Rod Style



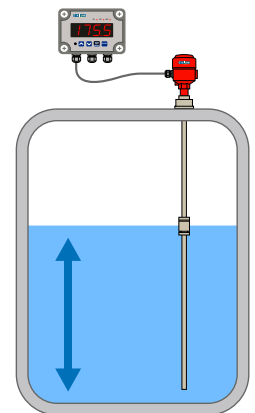
Pressure Sensor Level

- Measures Head Pressure above the Sensor
- Unaffected by Foam | Vapor | Turbulence | Condensate
- No Programming Required
- PP | PVDF | 316 SS
- Sensor Can be Mounted Directly into Sidewall of Tank or a Process Tee



Continuous Float Level

- Very Simple Design - Float moves up and down as liquid changes level
- PVC | PP | PVDF | 316 SS
- 4-20mA Output
- No Programming Required
- Suitable for Clean - Non Sticky Corrosive Chemicals

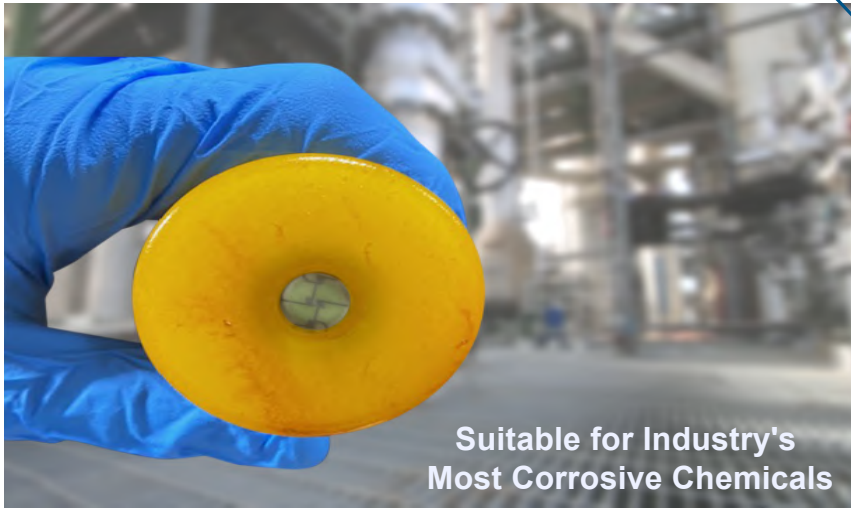


- ☐ Suitable for Foam | Vapor | Turbulence | Condensate
- ☐ No Programming Required
- ☐ Excellent Alternative to Expensive Radar
- ☐ No Dead-band
- ☐ Teflon® Jacket Cable

100 Series Sensor Ceramic Sensing Diaphragm

Kalrez® O-Ring Seal

Integral Molded Weight | No Floating
PVC | PP | PVDF | 316SS | PTFE



Suitable for Industry's Most Corrosive Chemicals

LP 100 Junction Box



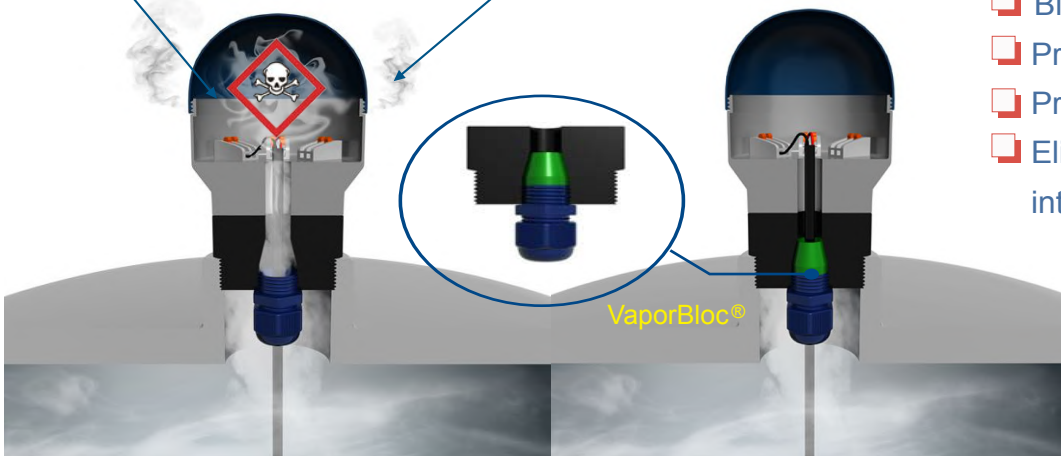
Corrosive Vapor

Outgassing



LP 100 VaporBloc® Technology

- ☐ Blocks out Corrosive Chemical Fumes
- ☐ Pressure Tested to 75 psi
- ☐ Protects Internal Wiring Connections
- ☐ Eliminates Corrosive Fumes Out-gassing into Environment



Without VaporBloc®

With VaporBloc®

Submersible Level Sensor



Patent Pending VaporBloc®



Ceramic Sensing Diaphragm



- ❑ Suitable for Foam | Vapor | Turbulence
- ❑ Much Less Expensive vs. Radar
- ❑ No Programming
- ❑ Zero Deadband
- ❑ PVC | PP | PVDF | PTFE Teflon® | 316SS
- ❑ PTFE Jacketed Cable

- Excellent Chemical Resistance
- High Accuracy | $\pm 0.3\%$ | $\pm 0.5\%$
- Integral Weight on Plastic Models
- FFKM Kalrez® Diaphragm Sealing
- Highly Sensitive Ceramic Diaphragm

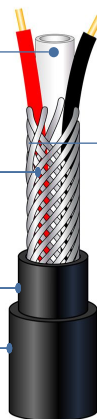
Internal View

Gortex® Breather

Aluminium EMF Noise Shield

PVC Inner Core

Teflon® Jacket



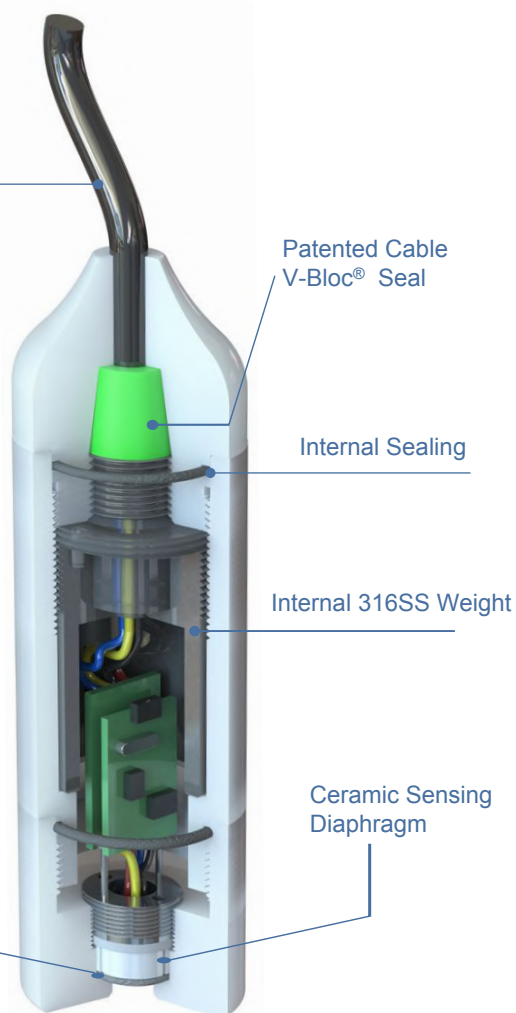
Patented Cable V-Bloc® Seal

Internal Sealing

Internal 316SS Weight

Kalrez® Oring

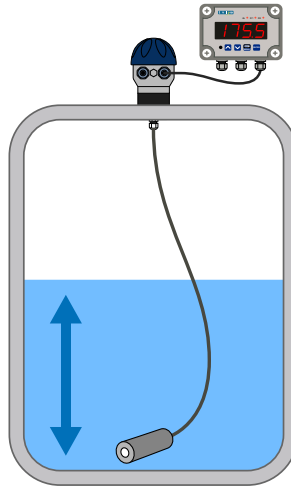
Ceramic Sensing Diaphragm



100

Submersible Level Sensor

- Ø PVC | PP | PVDF | 316 SS | PTFE Teflon®
- Ø Excellent for Foam | Vapor | Condensate Turbulence
- Ø Gortex® Atmospheric Reference Tube
- Ø Kalrez® O-Ring Seal
- Ø Integral Weight | No Floating
- Ø High Accuracy: $\pm 0.5\%$
- Ø Flush Sensor | Non-Clogging Design
- Ø Teflon® Jacketed Cable
- Ø Ceramic Sensing Diaphragm



200C

Submersible Level Sensor

- Ø PVC | PP | PVDF | PTFE Teflon®
- Ø Excellent for Foam | Vapor | Condensate Turbulence
- Ø Capacitive Ceramic Sensing Diaphragm
- Ø Gortex® Atmospheric Reference Tube
- Ø Kalrez® O-Ring Seal
- Ø Integral Weight | No Floating
- Ø High Accuracy $\pm 0.35\%$ | $\pm 0.25\%$
- Ø Flush Sensor | Non-Clogging Design
- Ø Teflon® Jacketed Cable



300S

Submersible Level Sensor

- Ø 316 SS | Titanium | Hastalloy Body
- Ø Excellent for Foam | Vapor | Condensate Turbulence
- Ø Viton® O-Ring Seal
- Ø High Accuracy $\pm 0.5\%$
- Ø Non-Clogging Design
- Ø Teflon® Jacketed Cable
- Ø Gortex® Atmospheric Reference Tube

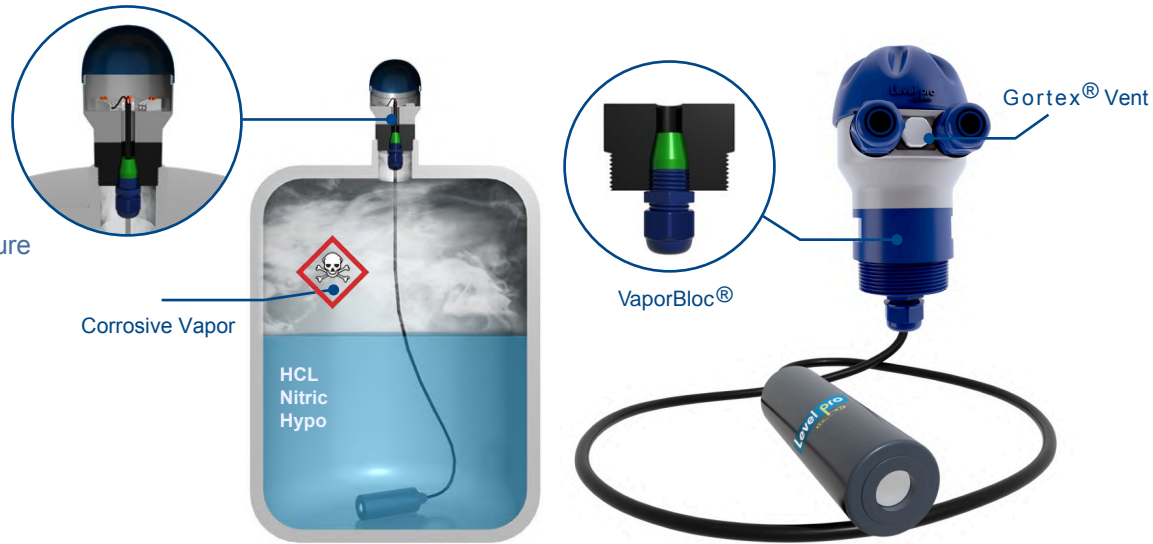




LP100

Junction Box

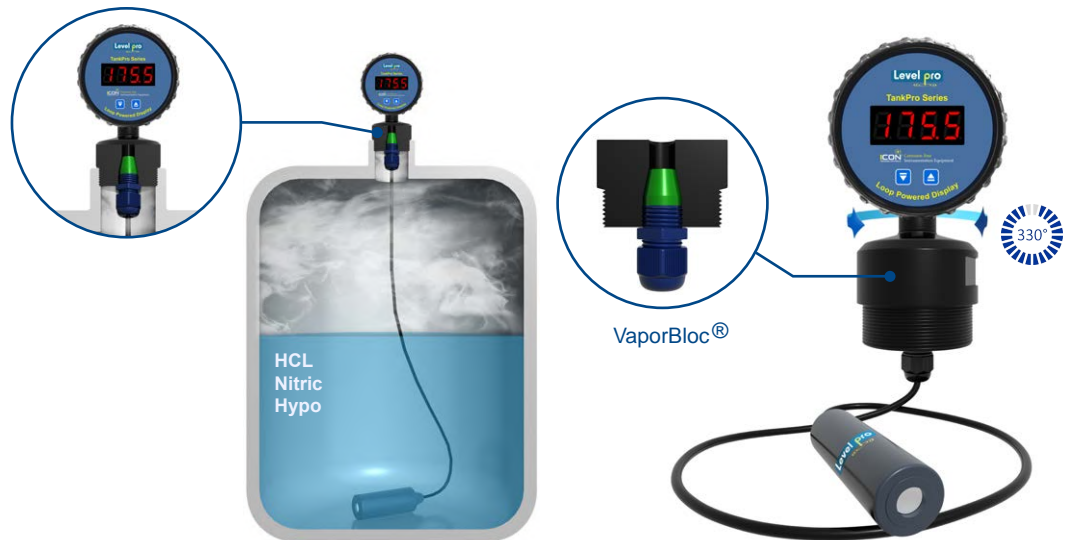
- Ø All Plastic NEMA 4X Enclosure
- Ø 2" NPT Tank Connection
- Ø Self-Draining | Tethered Lid
- Ø Gortex® Breather
- Ø PP Sensor Cable Grips
- Ø No Tools Required to Wire
- Ø VaporBloc® Sealing System



TankPro®

Submersible Level Sensor + Display

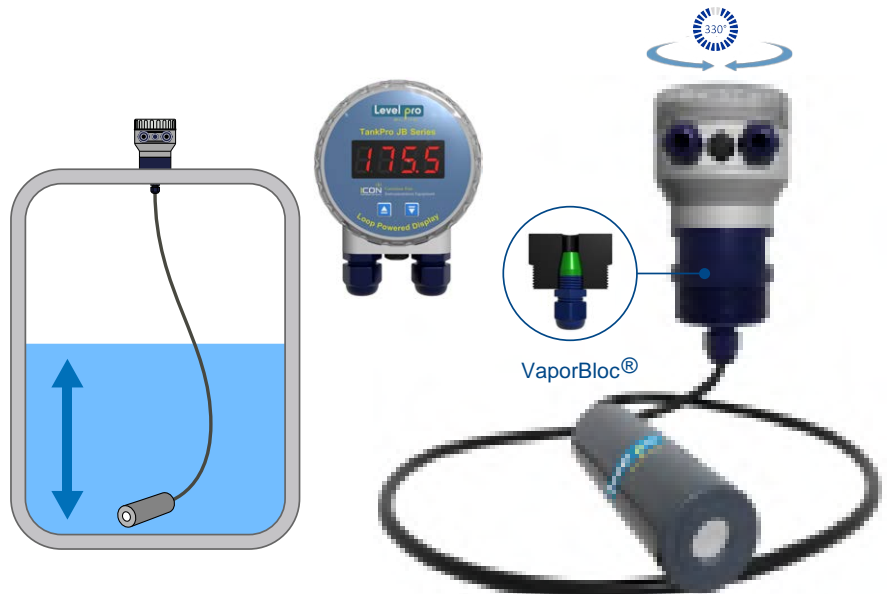
- Ø Loop Powered LED Display
- Ø PVC | PP | PVDF | 316 SS
- Ø Teflon® Jacketed Cable
- Ø High Accuracy: $\pm 0.5\%$
- Ø Excellent for Foam | Vapor
Condensate | Turbulence
- Ø 2" NPT Tank Connection
- Ø Gortex® Breather
- Ø VaporBloc® Sealing System



TankPro JB®

Level Sensor + Display + Junction Box

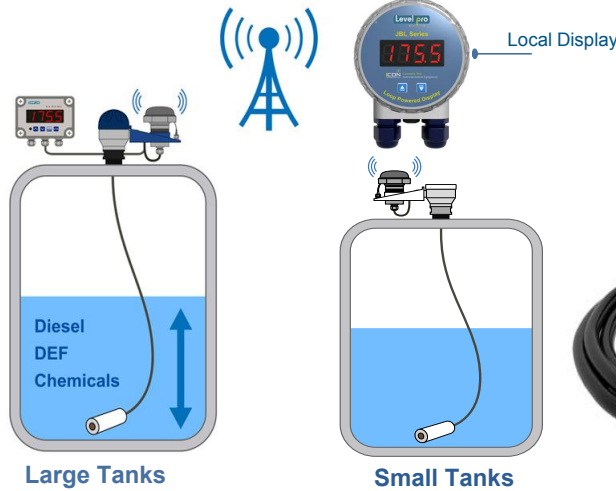
- Ø Loop Powered LED Display
- Ø PVC | PP | PVDF | 316 SS
- Ø Teflon® Jacketed Cable
- Ø High Accuracy: $\pm 0.5\%$
- Ø Excellent for Foam | Vapor
Condensate | Turbulence
- Ø 2" NPT Tank Connection
- Ø Gortex® Breather
- Ø Chemical Resistant PP Cable Grips
- Ø VaporBloc® Sealing System



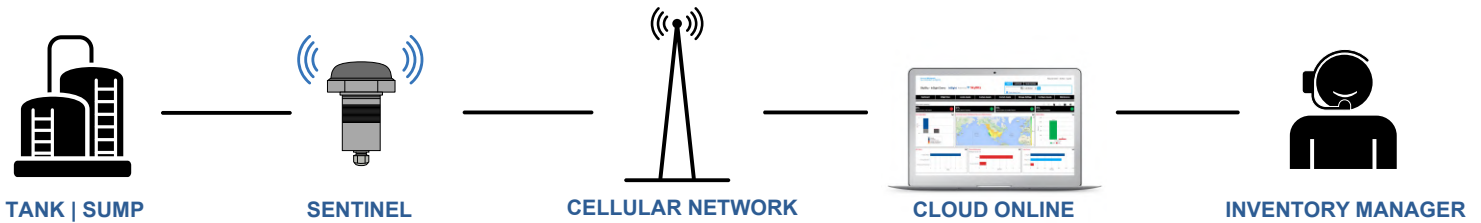
Sentinel®

Remote Tank Level Monitoring

- Ø Battery Operated | No Programming
- Ø Remote Monitoring via Cell Networks
- Ø Access to Data via Cloud
- Ø Low Monthly Cost
- Ø Access Data | PC | Laptop | Phone
- Ø Secure Cloud Data
- Ø Eliminate Costly Emergency Fills or Pump-Outs



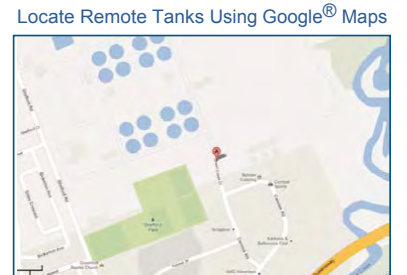
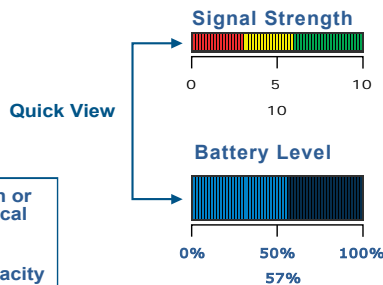
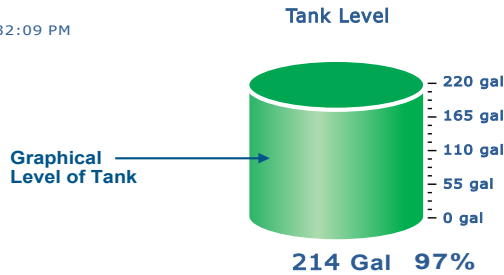
How it Works



Current Tank Detail

Inventory Time: 4/10/2012 12:32:09 PM
 Primary Location Contact: Not Assigned
 Alarm Status: ✔ OK
 Comm Status: ✔ OK
 Maintenance Status: ✔ OK
 Sensor Status:
 Level:
 Inventory:
 Tank Type:
 Tank Height:
 Tank Number:
 Region:
 Route:
 User Defined:
 User Defined (B):

Example :
 Schedule Route by Region or Territory + Type of Chemical
 Ex: All HCL Tanks
 +
 Tank Level below 25% Capacity

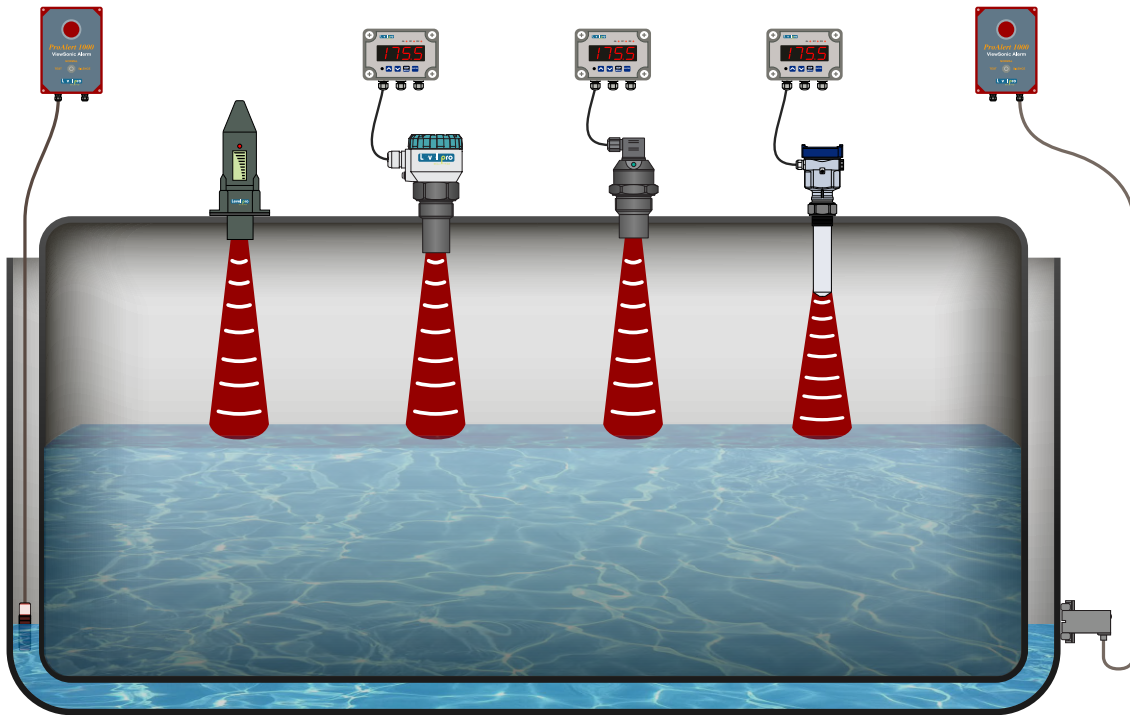


LP50 Mounting Bracket

- > 2" NPT Connection
- > M16 Cord Grip for Magnet
- > Junction Box or Wall Mounting
- > All Plastic Corrosion Resistant Design

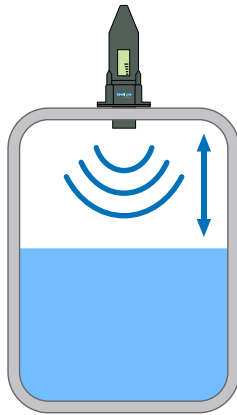


Non-Contact



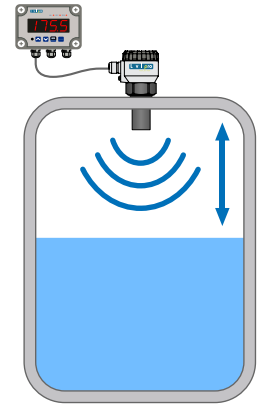
ViewSonic Ultrasonic

- Measures the Space between Transducer and Liquid Level
- Suitable for Stable Liquids
- Not Recommended for Applications that may contain Foam | Vapor | Turbulence | Condensate
- Local Display + Radio Frequency to Remote Display



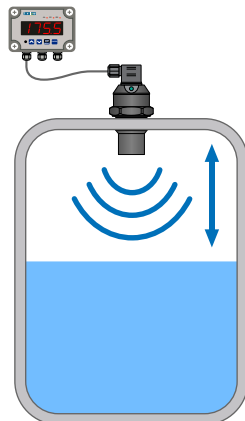
Ultrapro 1000

- Measures Space between Transducer and liquid Level
- Suitable for Stable Fluids
- Not Recommended for Applications that contain Foam| Vapor | Turbulence | Condensate
- Visual Indication of Level
- LED Echo Confirmation
- 4-20mA Output



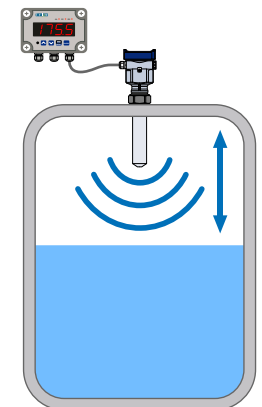
Ultrapro 500

- Measures Space between Transducer and liquid Level
- Suitable for Stable Fluids
- Not Recommended for Applications that contain Foam| Vapor | Turbulence | Condensate
- Visual Indication of Level
- LED Echo Confirmation
- 4-20mA Output



ProScan Radar Level

- Measures Space between Transducer and Liquid Level
- Unaffected in many cases by Foam | Vapor | Turbulence | Condensate
- Blind or Visual Junction Display
- PTFE Teflon® Horn - Excellent Chemical Resistance
- 4-20mA Output



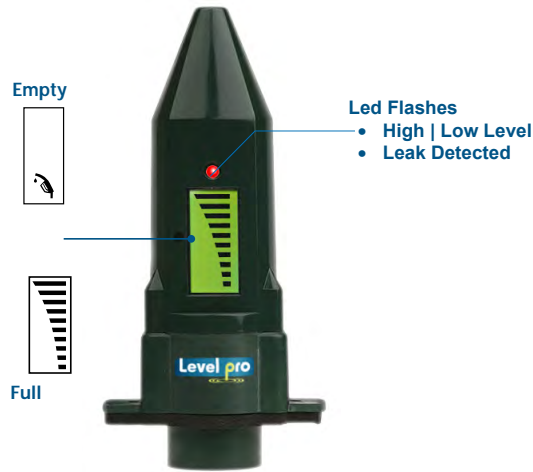


UltraSonic

ViewSonic®

Battery Operated Ultrasonic Level

- Ø 5 Year Battery Life
- Ø PP Body | Visual Display
- Ø LED Flashes | High | Low | Leak
- Ø Wireless Display | 350'
- Ø Leak Detection Combo



Wireless Transmission | 350 ft Range

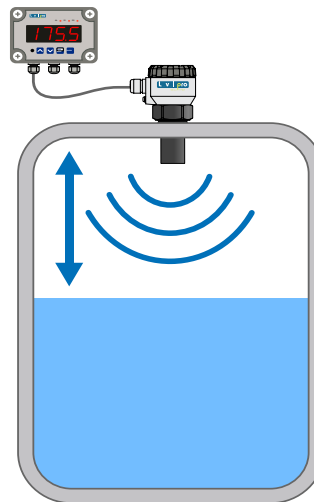


Optional Leak Detection

UltraPro® 1000

Ultrasonic Level Transmitter

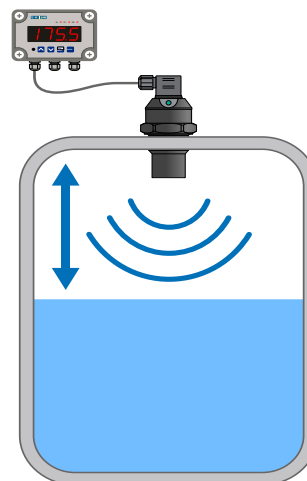
- > Local Visual Display Indication
- > PVDF Transducer
- > Narrow Beam Technology
- > General Purpose | XP ATEX
- > 2 Wire 4-20mA + HART® Protocol
- > Measuring Range: 4" - 66'
- > Accuracy: ±0.2 %
- > GP or ATEX Explosive Area Available



UltraPro® 500

Ultrasonic Level Transmitter

- > Push Button Programming
- > Narrow Beam Technology
- > General Purpose | XP ATEX Rated
- > 2 Wire 4-20mA
- > Measuring Range: 4" - 66'
- > Accuracy: ±0.2 %
- > LED Echo Confirmation
- > GP or ATEX Explosive Area Available




Visual Indication of Sonic Signal
Green = Good
Red = Signal Return Alert

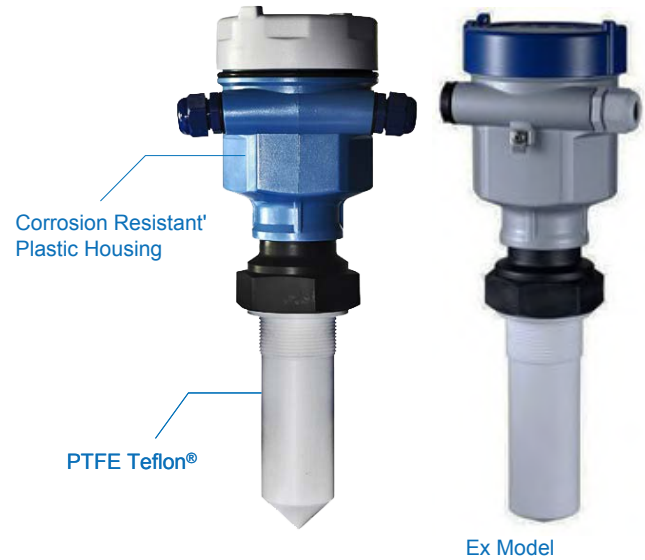
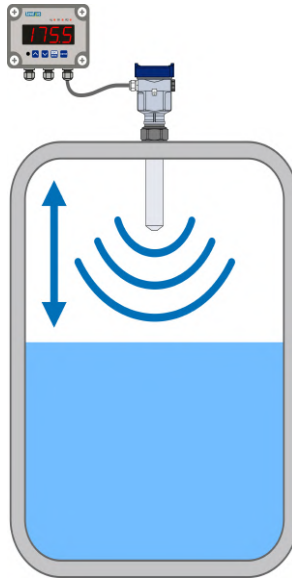


Radar

PS 8000

Radar Level Sensor

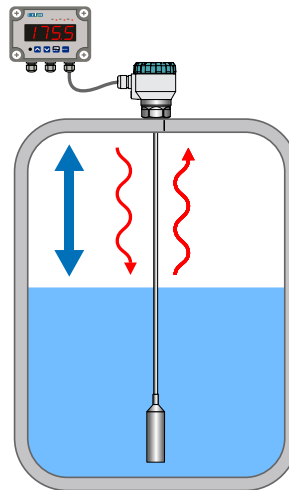
- Suitable for: Liquids | Solids | Thick Viscous Materials | Vapor
- 34' Range
- 4-20mA Output | HART® Protocol
- Local Display
- PTFE Teflon Horn
- General Purpose or Explosion Rated 



MLR-70

Guided Wave Radar Level Transmitter

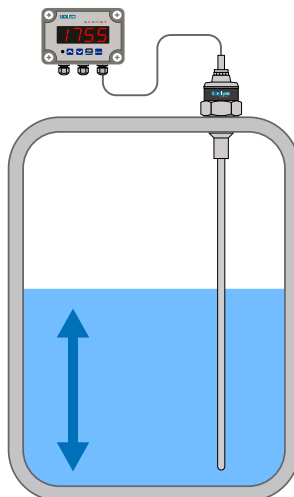
- Suitable for: Liquids | Bulk Solids | Thick Viscous Materials
- Stainless Steel FEP Teflon® Coated Electrode (Rod or Rope)
- 4-20mA Output | HART® Protocol
- Local LED Display | Blind



MLD-35

Capacitance Level Sensor

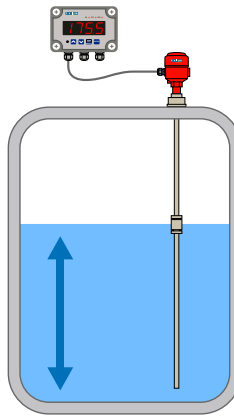
- Range: ½ - 10'
- 4-20mA Loop Powered
- Teflon® Encapsulated Electrode
- LED Level Visual Indication
- Excellent Choice for Coating Type Applications



CFL

Continuous Level Float Measurement

- Ø Available in PVC | PP | PVDF | 316 SS
- Ø Tank Measurement up to 6'
- Ø Two-wire 4-20mA Output
- Ø Suitable for Clean Non-Sticky Liquids
- Ø Excellent Chemical Resistance
- Ø Blind or LCD Display

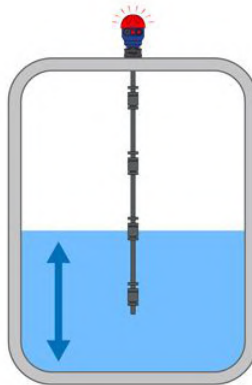


PLF

Point Level - Blind | Visual | Audible

- Ø Excellent Chemical Resistance
- Ø 6 - 72" Range
- Ø Up to 8 Relay Switching Contacts
- Ø Flange | NPT Connection
- Ø PVC | PP | PVDF | 316 SS

High Level
Up to 8 Set-Points
Low Level

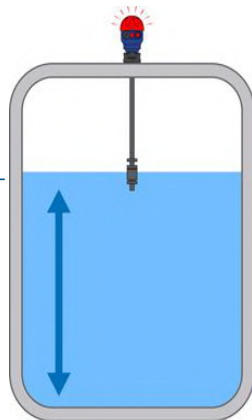


PLF-B

Battery Operated Point Level

- Ø All Plastic Design
- Ø 6 - 72" Range
- Ø 1"- 2" NPT Connection
- Ø PVC | PP | PVDF | 316 SS
- Ø No Power Required

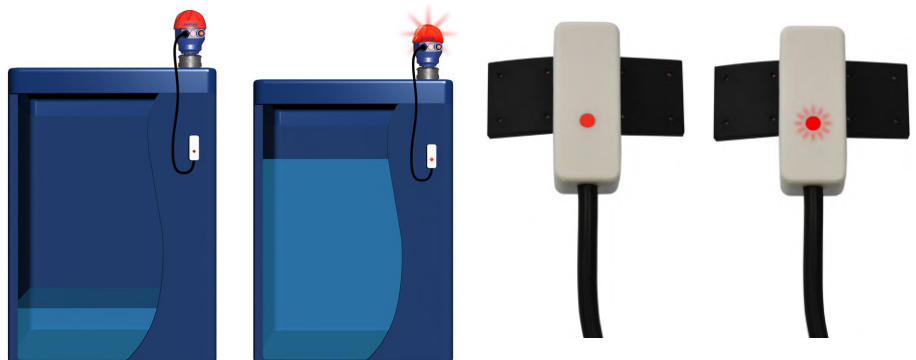
High Level
Low Level



NCC

Capacitive Non-Contact Level

- Ø All Plastic Design
- Ø Sensing through Tank Wall
- Ø LED Lights Up } Liquid Present
- Ø Relay Output to Alarm
- Ø Industrial Bonding Tape | Sticks To Tank



DISPLAYS | CONTROLLERS



Instrumentation Screwdriver Included

Clamp On | Clamp Off | Optional Fill Pipe Installation
No Drilling | No Tools Required

TVL Series

Liquid Level LED Display

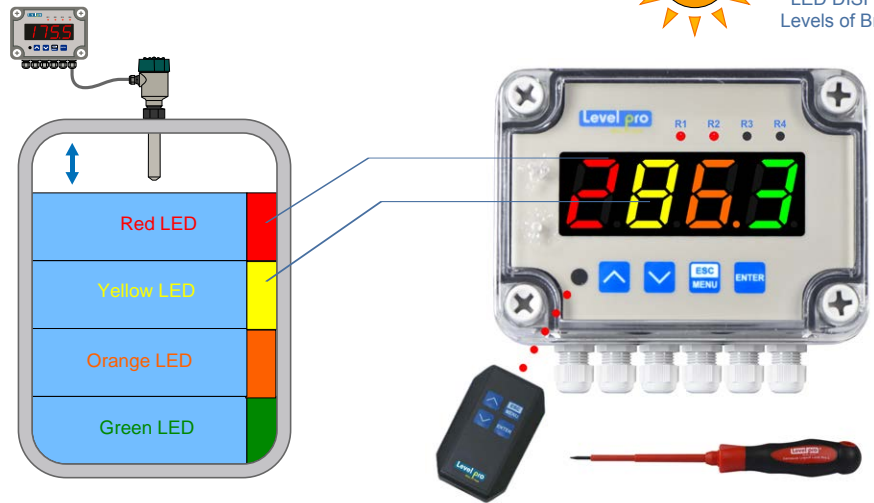
- Ø 25% Larger LED Display
- Ø Fully Assembled
- Ø NEMA4X Enclosure
- Ø Polycarbonate Cover-plate
- Ø 8 Levels of Light Intensity
- Ø Latching Relays



Super 'Sunbrite'
LED DISPLAY - 8
Levels of Brightness

TVU Series

Universal Multi-Color LED Display
Color Change Corresponds to
Changing Process Conditions
Latching Relays



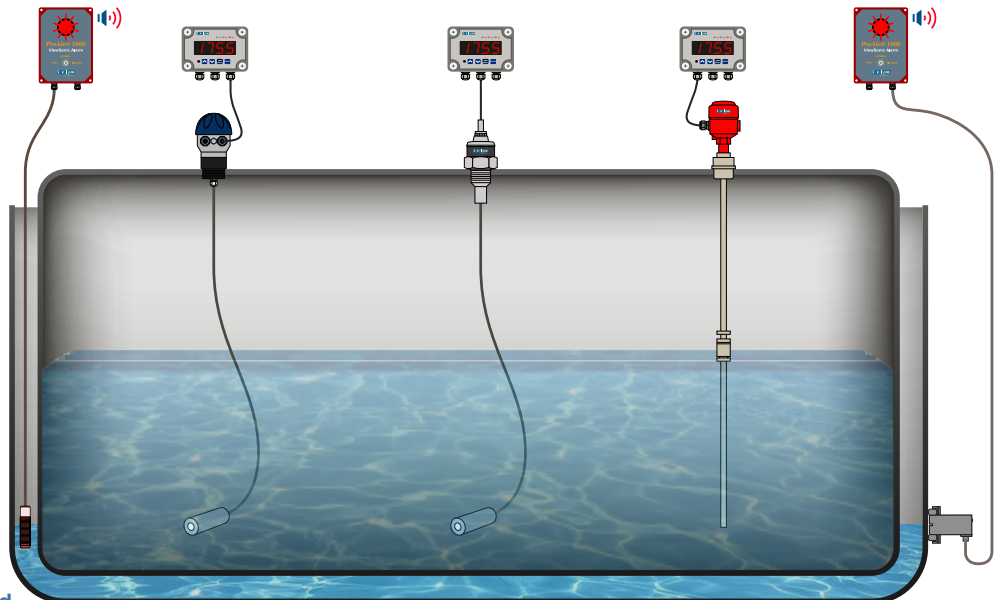
BT Series

Battery Operated Display
No External Power Required



Battery Tester

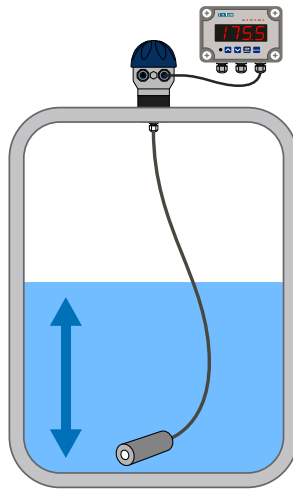
Cord Grip & External
Wire Connector Combo | No Tools Required



TVL

Liquid Level LED Display

- Ø All in One Controller
- Ø NEMA 4X Enclosure + Cord Grips
- Ø Input : 4-20mA
- Ø 1x 5A Relay Output + 4-20mA
2 5A Relay Outputs | Latching
- Ø 24DC Power Supply Output to Sensor
- Ø RS-485 | Modbus RTU Standard
- Ø 8 Levels of LED Brightness



Super 'Sunbrite'
LED DISPLAY - 8
Levels of Brightness



Universal Remote Controller

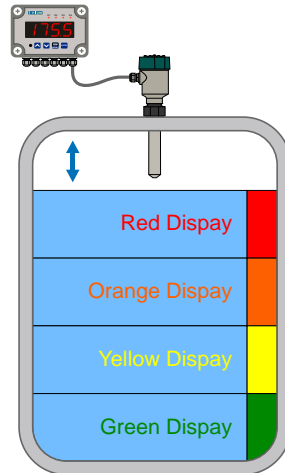
Screwdriver included

Captive

TVU

Universal Multi-Color LED Display

- Ø 4 - 5A Latching Relay Outputs
- Ø 24DC Power Supply Output to Sensor
- Ø 4-20mA + RS-485 | Modbus
- Ø NEMA 4X Enclosure + Cord Grips
- Ø LED Color Display to Mirror Process Conditions



Super 'Sunbrite'
LED DISPLAY | 8
Levels of Brightness



Relays

TVF

Flow Display + Totalizer + Batcher

- Ø 2 x 5A Relay | 4-20mA + 1x 5A Relay
- Ø 24DC Power Supply Output to Sensor
- Ø RS-485 | Modbus RTU Standard
- Ø NEMA 4X Enclosure + Cord Grips



TIR Series Flow Meter





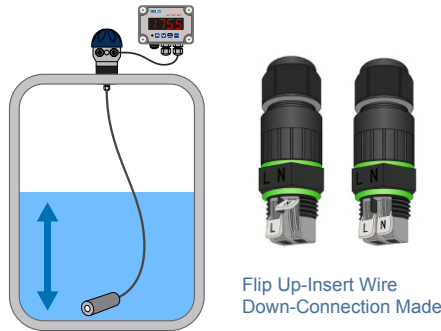
Shopro® Universal Display

- Ø LED Display
- Ø 4-20mA Input
- Ø NEMA 4X Enclosure
- Ø 5A Relays
- Ø Polycarbonate Cover
- Ø External Wiring | Cable Grip Wire Connector Combo



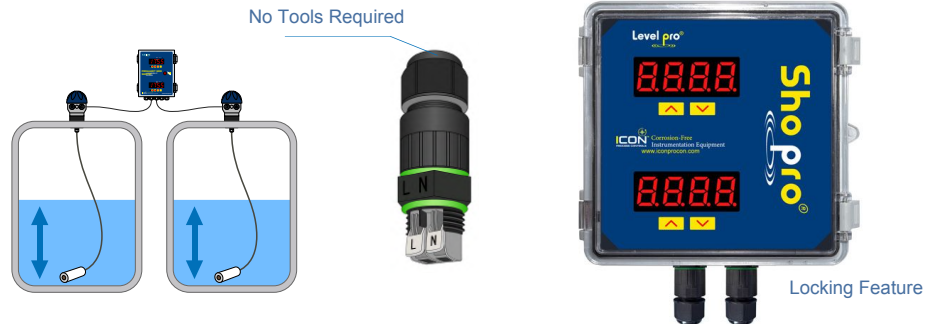
Shopro®

- Ø Single LED Display
- Ø 4-20mA Input
- Ø NEMA 4X Enclosure
- Ø 2 x 5A Programmable Relays
- Ø RS485 Modbus
- Ø Polycarbonate Cover



Shopro2®

- Ø 2 LED Displays
- Ø 4-20mA Input
- Ø NEMA 4X Enclosure
- Ø 2 x 5A Programmable Relays
- Ø RS485 Modbus
- Ø PolyCarbonate Cover
- Ø Locking Cover



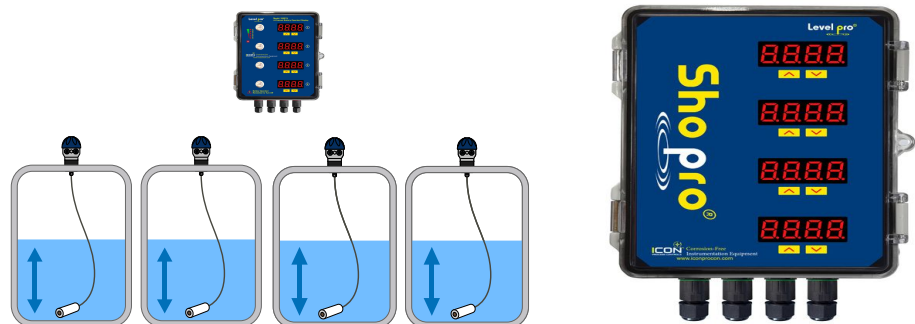
Shopro3®

- Ø 3 LED Displays
- Ø 4-20mA Input
- Ø NEMA 4X Enclosure
- Ø 3 x 2 5A Programmable Relays
- Ø RS485 Modbus
- Ø Polycarbonate Cover
- Ø Locking Cover



Shopro4®

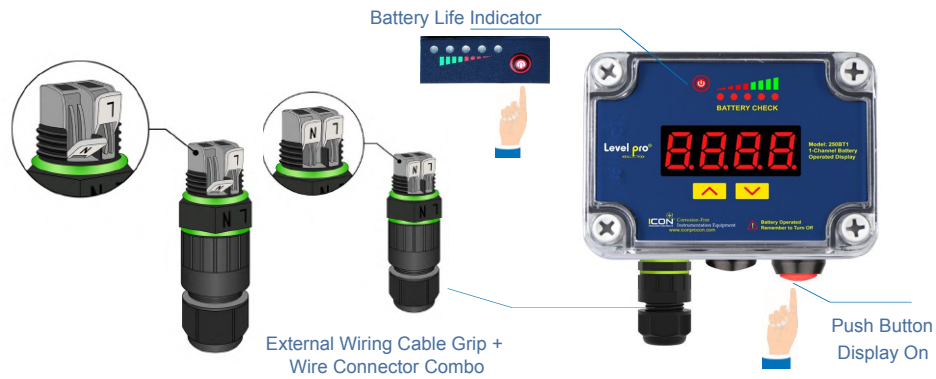
- Ø 4 LED Displays
- Ø 4-20mA Input
- Ø NEMA 4X Enclosure
- Ø 4 x 2 5A Programmable Relays
- Ø RS485 Modbus
- Ø Polycarbonate Cover
- Ø Locking Cover





250B Battery Level Display

- Ø Battery Operated - Push On | Push Off Switch
- Ø 4-20mA Input
- Ø NEMA 4X Enclosure
- Ø Quick Level Verification
- Ø Fill Level Verification
- Ø Battery Life Indicator



250BT Battery Level Display

- Ø Battery Operated - Latching On-Off Switch
- Ø 4-20mA Input
- Ø NEMA 4X Enclosure
- Ø Quick Level Verification
- Ø Fill Level Verification]
- Ø Battery Life Indicator



250B2 B3 | B4 Battery Level Display

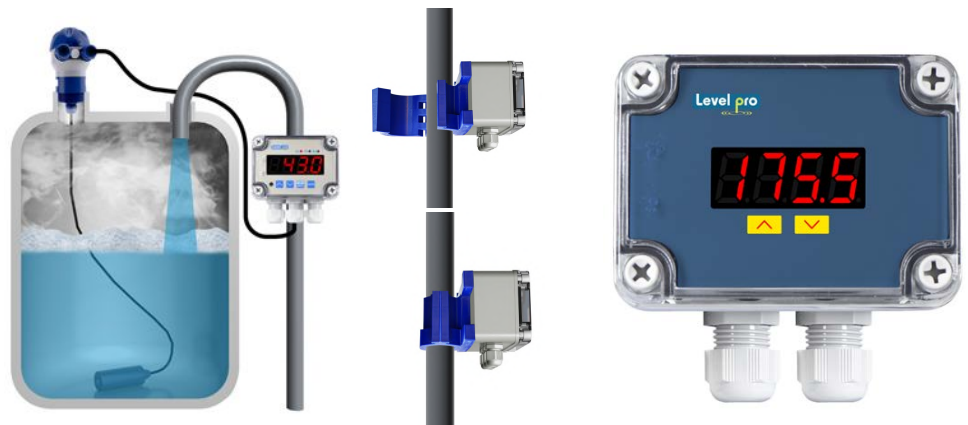
- Ø Battery Operated - 3 | 4 Channel
- Ø 4-20mA Input
- Ø NEMA 4X Enclosure
- Ø Quick Level Verification
- Ø Fill Level Verification
- Ø Battery Life Indicator



250L Loop Powered Level Display

- Ø 4-20mA Universal Loop-Powered
- Ø NEMA 4X Enclosure
- Ø Bright LED Digits
- Ø High Impact Polycarbonate Enclosure

Optional Clamp Fill Line
Clamp - Eliminates Drilling





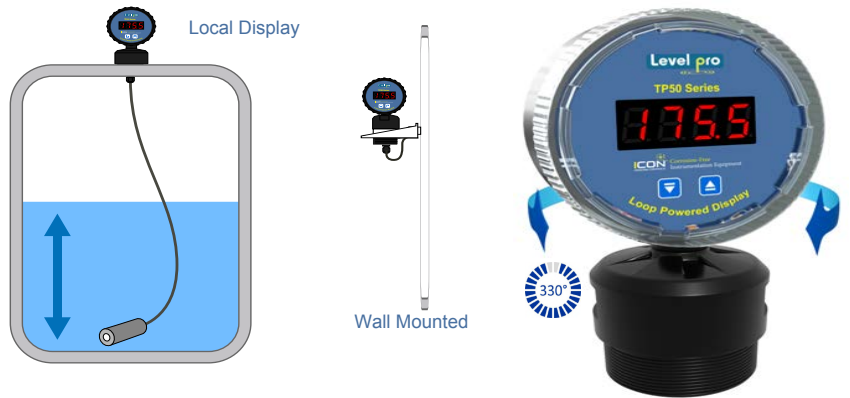
JBL Level Display & Junction Box

- Ø 4-20mA Universal Loop-Powered
- Ø NEMA4X Enclosure
- Ø High Impact Polycarbonate Enclosure
- Ø IP68 Waterproof Cable Grips



TP50 Universal Loop Powered Display

- Ø 4-20mA Universal Loop-Powered
- Ø NEMA4X Enclosure
- Ø No External Power Required
- Ø Rotating Display



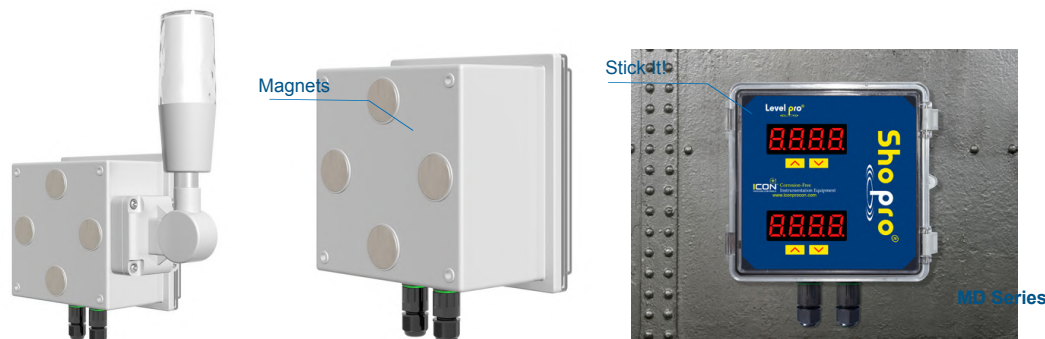
ClampPro® Display | Alarm Connections

- Ø Clamp On | Clamp Off
- Ø Fill Pipe 1/2"-4" Sizes
- Ø No Tools Required
- Ø No Drilling Into Walls
- Ø Easy On | Easy Off
- Ø Level | Flow | Pressure | Temp



SticPro® Magnetic Display Connector

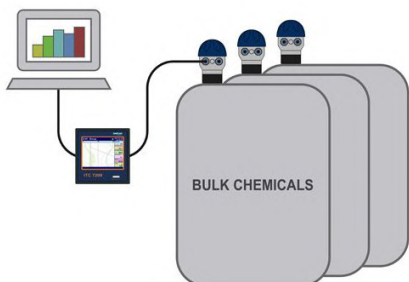
- Ø Clamp On | Clamp Off
- Ø Magnetic Backing for Metallic Tanks | I-Beams | Walls
- Ø No Tools Required
- Ø No Drilling Into Walls
- Ø Easy On | Easy Off
- Ø Level | Flow | Pressure | Temp



The ITC series advanced controllers and recorders have been designed for to handle and control advanced industrial applications.

- Up to 72 Universal Channels
- Color Touch Screen
- Trending | Mapping
- Up to 15 GB Data Storage

- Level
- Flow
- Pressure
- Temp
- PH
- ORP



- Up to 72 Analogue | Digital inputs
- IP 65 Front Panel Protection
- Ethernet
- 2 x USB Host Ports
- MultiModbus -up to 3 x RS-485 interfaces
- HMI
- Java Applets
- Wide Range of I/O Modules



- Max. 10 Hz Sampling Frequency
- 3.5" | 5.7" LCD Touchscreen
- PC Keyboard and Mouse Operation
- PID Control
- Profiles | Timers
- Mathematical Functions
- Visualization as Digits, Graphs, Bar-graphs, Needles
- 1.5 GB for Data
- Free DAQ Manager software

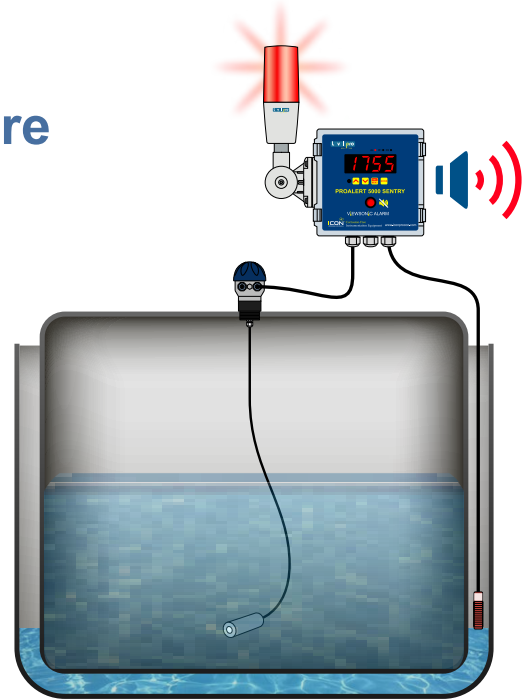


ALL-IN-ONE Audible & Visual Alarm Level | Leak Detection | Flow | Pressure

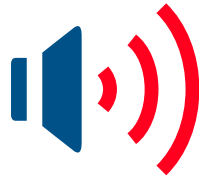
- Ø 150dB Audible Alarm
- Ø 4-20mA Output | RS485
- Ø Sensor Status Notification
- Ø No Assembly Required



Super 'Sunbrite' LED DISPLAY
8 Levels of Brightness



Level & Leak Detection



High intensity Alarm Light
3 Different Shades
Red | Yellow | Green

25% Larger LED Display

Silence Audible
Light Remains On



ProAlert® 5000 Sentry



ProAlert® 5002 Sentry

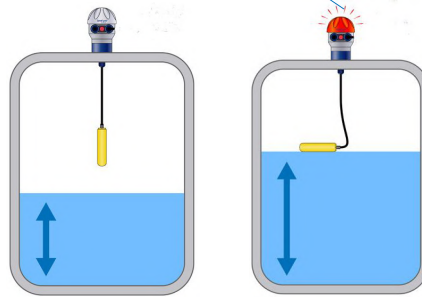


LP250

Visual | Audible Alarm

- Ø High Intensity RED LED Light
- Ø Audible | Visual | Visual + Audible Combo
- Ø 24DC or Battery Powered
- Ø Audible Silence Button
- Ø NEMA 4X
- Ø 2"NPT Connection
- Ø GFPP | Polycarbonate Construction

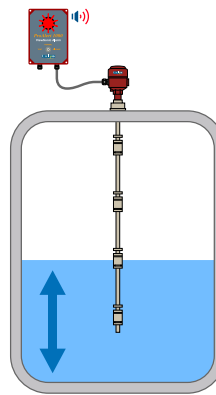
LP250 Series
Audible | Visual Alarm



ProAlert® 1000

Audible Visual Alarm

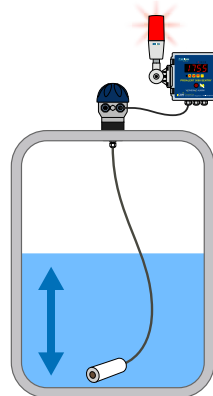
- Ø High Intensity Red Alarm Light
- Ø 90 dB Audible Alarm with External Test
- Ø Rugged NEMA 4X Industrial Design
- Ø Includes 6' Power Cord
- Ø High | Low Level Indication
- Ø Bag | Filter Change Out
- Ø Leak Detection Notification
- Ø Flow | No Flow Sensors



ProAlert® 5000 Sentry

Audible Visual Alarm + Display

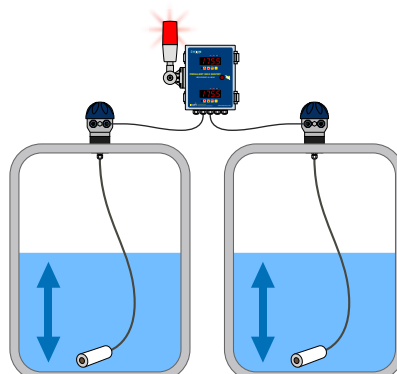
- Ø Visual LED Display
- Ø Single 4-20mA Input Signal
- Ø 2x 5 Amp Relay Outputs
- Ø 150 dB Audible Alarm
- Ø Sensor Status Notification
- Ø High | Low Level Indication



ProAlert® 5002 Sentry

Audible Visual Alarm + Display

- Ø Visual LED Display
- Ø 2x 4-20mA Input Signals
- Ø 2x 5 Amp Relay Outputs
- Ø 150 dB Audible Alarm
- Ø Sensor Status Notification
- Ø High | Low Level Indication

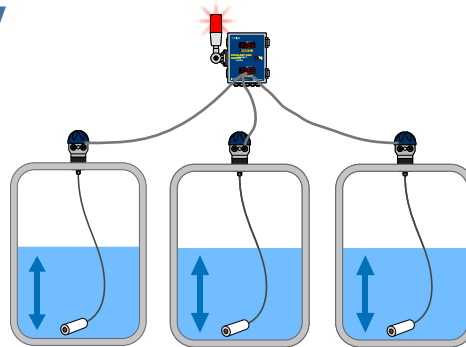




ProAlert® 5003 Sentry

Audible Visual Alarm + Display

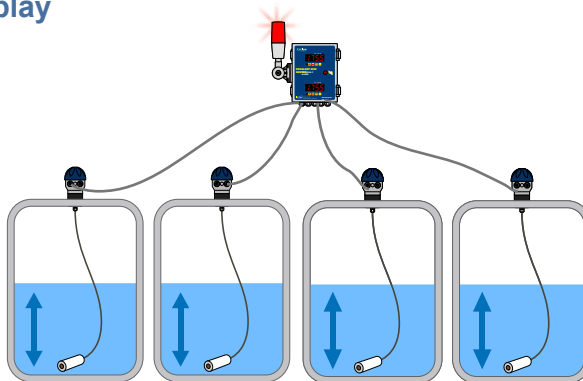
- Ø Visual LED 3 Channel Display
- Ø Single 4-20mA Input Signal
- Ø 2x 5 Amp Relay Outputs
- Ø 150 dB Audible Alarm
- Ø Sensor Status Notification
- Ø High | Low Level Indication



ProAlert® 5004 Sentry

Audible Visual Alarm + Display

- Ø Visual LED 4 Channel Display
- Ø 2x 4-20mA Input Signals
- Ø 2x 5 Amp Relay Outputs
- Ø 150 dB Audible Alarm
- Ø Sensor Status Notification
- Ø High | Low Level Indication

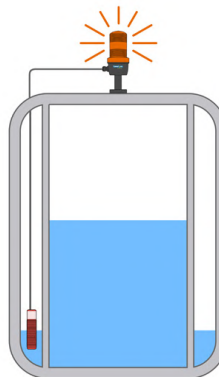


Note: 6 & 8 Display Channels Available

ProAlert® 200

LED Visual Alarm

- Ø High Intensity Xenon Light 'Sunbrite' Technology
- Ø Amber | Red
- Ø 120 VAC | 24V DC
- Ø Mount Connections
- Ø NEMA 4X
- Ø Mounting Platform



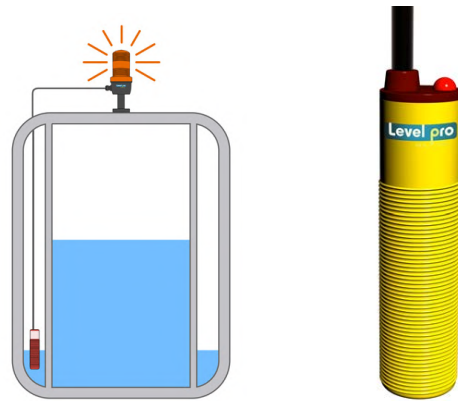
Leak Detection



LDS-YN

Leak Detection Switch

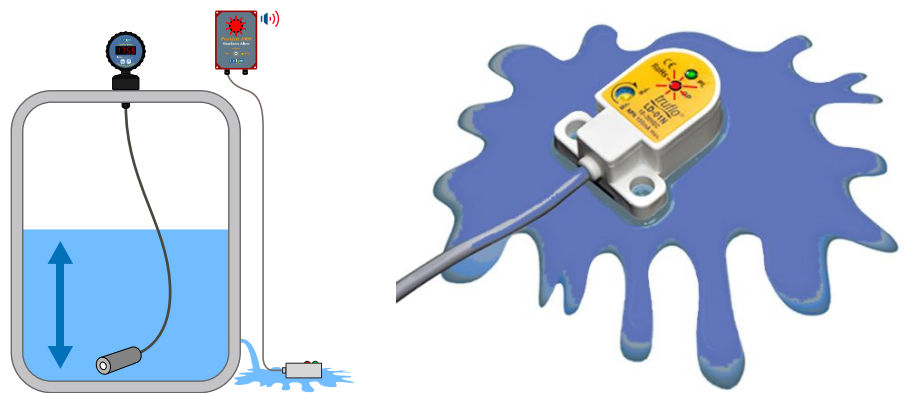
- Ø PP All Plastic Body
- Ø Non-Contact Technology
- Ø LED Notification
- Ø Perfect for Double Walled Tanks



LD

Plastic Leak Detection Switch

- Ø Low Profile Floor Design
- Ø Leakage Basins | Dosing Skids
- Ø Computer Rooms
- Ø Leaking Pumps
- Ø LED Power and Upset Indication

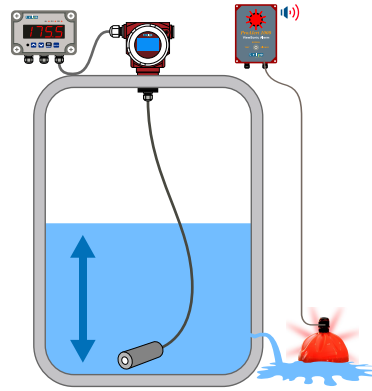




LDS-R

Leak Detection Switch

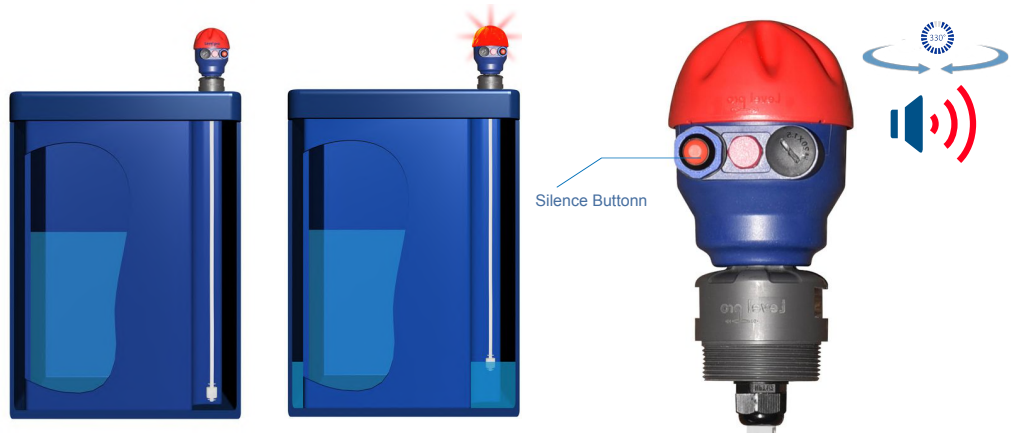
- Ø Floor Design
- Ø Capacitive Fail-Safe Operation
- Ø Perfect for Aggressive and Electrically Conductive Corrosive Chemicals
- Ø Containment Dikes
- Ø Double Wall Tanks
- Ø Leakage Basin
- Ø Computer Rooms



LDJ

Leak Detection Switch & Alarm

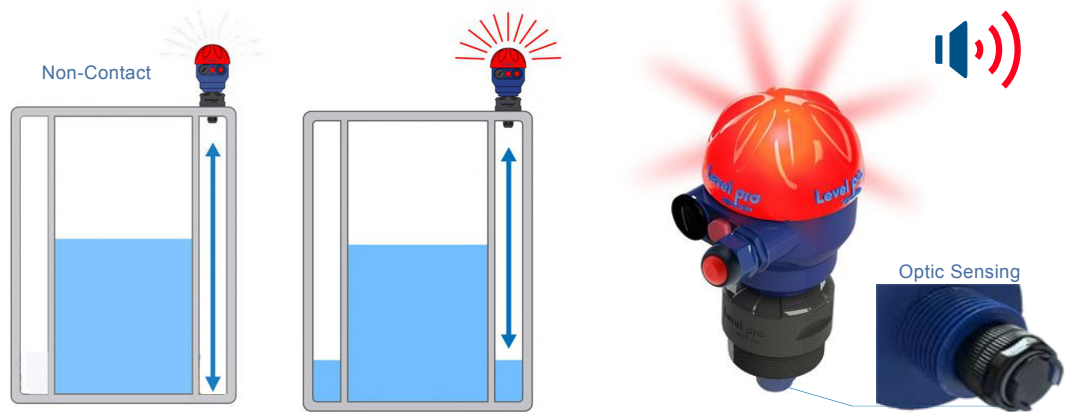
- Ø Audible | Visual Indication
- Ø Battery Operated or Powered
- Ø NEMA 4X
- Ø 1" NPT PE Connection
- Ø Capacitance Technology



LDJ-NC- Optic

Leak Detection Switch & Alarm

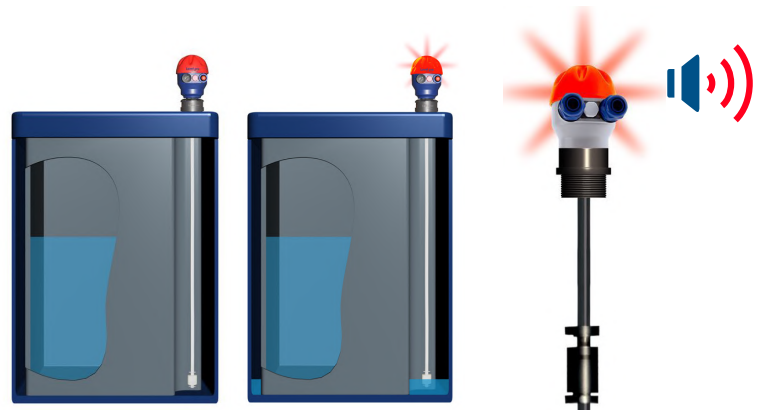
- Ø Audible | Visual Indication
- Ø Non-Contact | 1m Range
- Ø 24VDC Powered
- Ø NEMA 4X
- Ø 1" | 2" NPT Connection
- Ø Photo-Optic Technology
- Ø Local Alarm or Blind Output
- Ø Works on Foam



PLF-BP

Battery or Powered Operated Leak Detection

- Battery | Powered
- Visual & Audible or Blind
- Audible Silence Button
- Local Indication or Signal to Remote Alarm

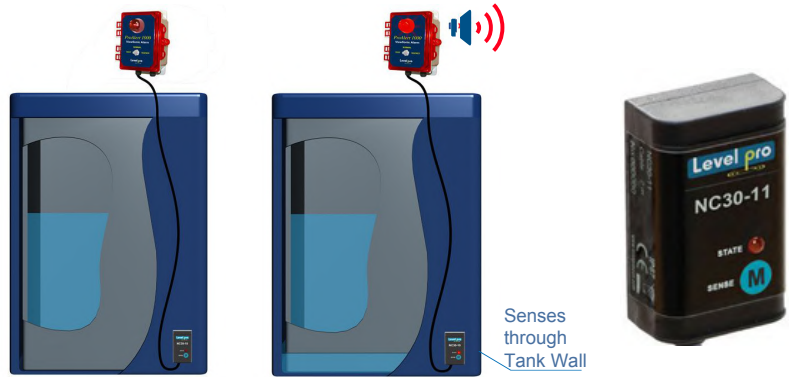




NC30

Liquid Detection Switch

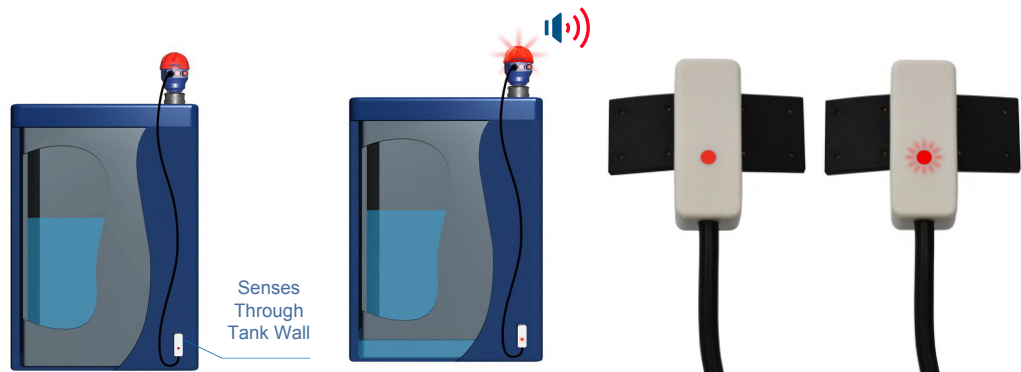
- Ø PP All Plastic Body
- Ø Non-Contact Technology
- Ø LED Notification
- Ø Perfect for Double Walled Tanks



NC60

Leak Detection Switch

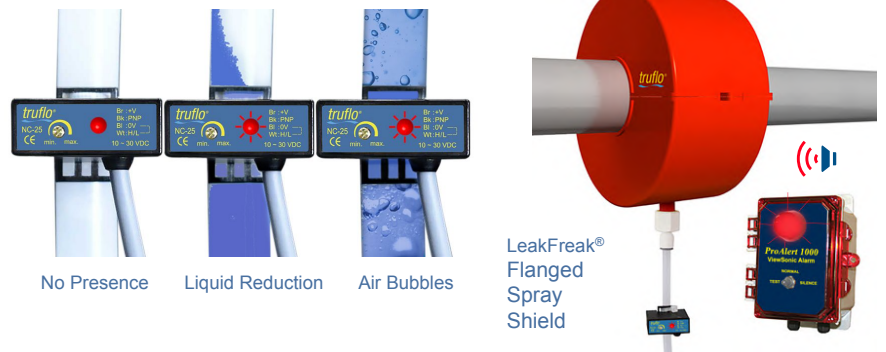
- Ø PP All Plastic Body
- Ø Non-Contact Technology
- Ø LED Notification
- Ø Perfect for Double Walled Plastic Tanks



NC-25

Liquid Detection Switch

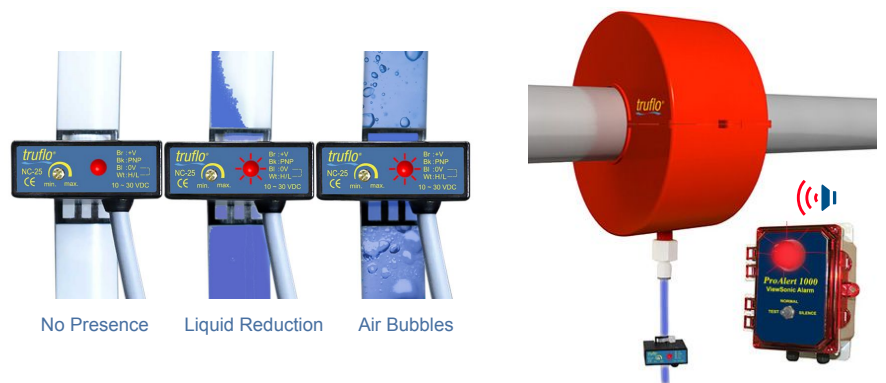
- Ø PP All Plastic Body
- Ø Non-Contact Technology Photoelectric
- Ø LED Notification
- Ø Senses Liquid Presence



NC-15

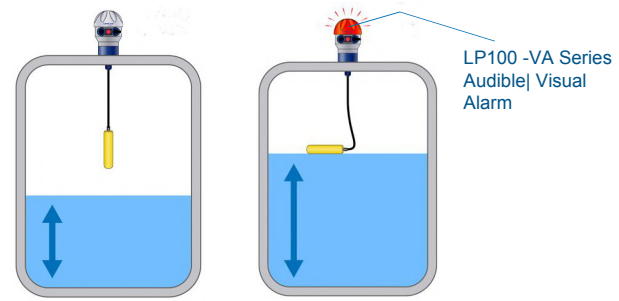
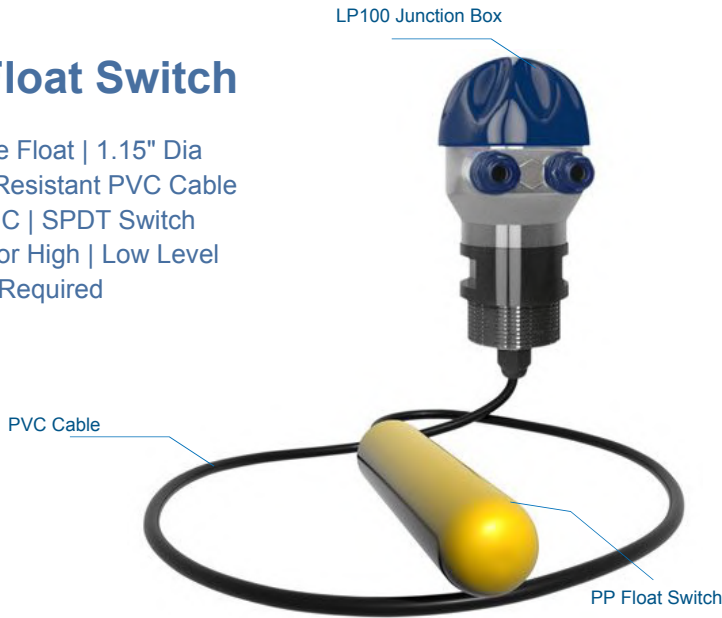
Liquid Detection Switch

- Ø Sensing Through Opaque Plastic Tubing
- Ø PP All Plastic Body
- Ø Non-Contact Technology Capacitive
- Ø LED Notification
- Ø Senses Liquid Presence

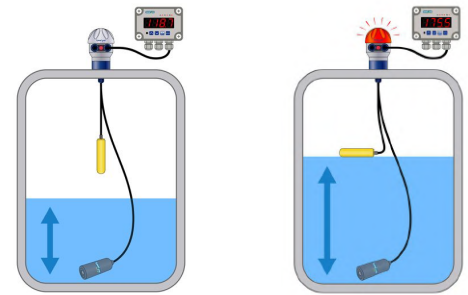


LP25 Float Switch

- Ø PP Slimline Float | 1.15" Dia
- Ø Chemical Resistant PVC Cable
- Ø 3A NO | NC | SPDT Switch
- Ø Excellent for High | Low Level
- Ø No Power Required



High | Low Level

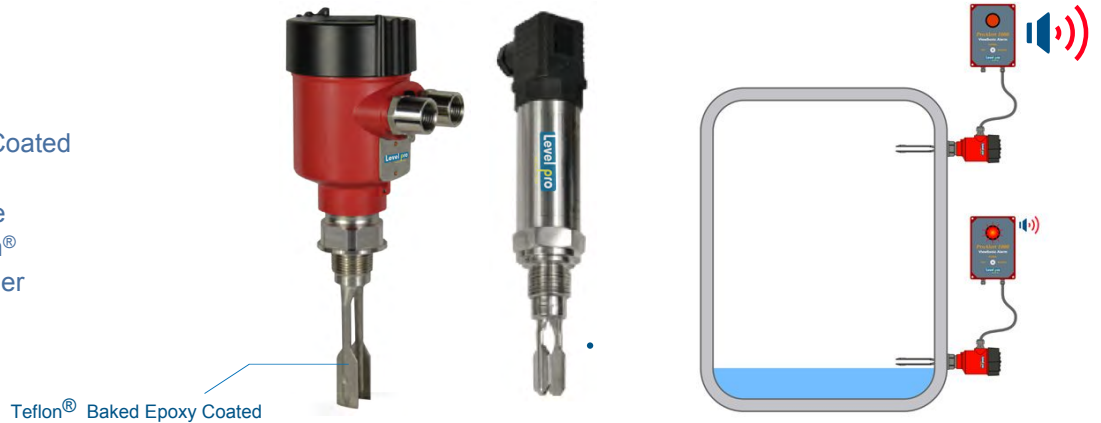


High | Low Level Redundant Notification

TFS

Vibration Level Switch

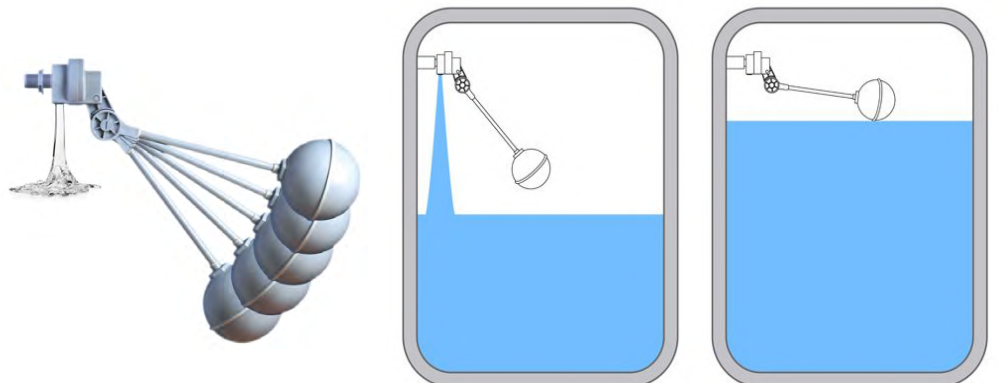
- Ø PTFE Teflon® Baked Epoxy Coated
- Ø Excellent for Viscous Liquids
- Ø Superior Chemical Resistance
- Ø Non-Stick Properties of Teflon®
- Ø Relay Output | Adjustable Timer



FloatPro®

Tank Level Ball Float Valve

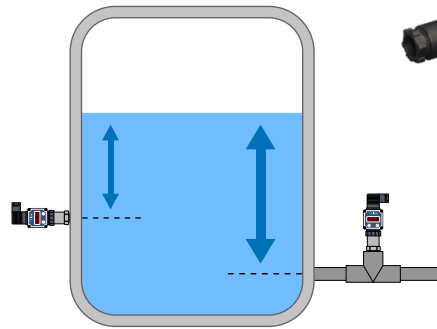
- Ø Solid PP
- Ø 5 Adjustable Positions
- Ø 3 Sizes Available
- Ø Cost Effective Tank Level Control



TPP

Plastic Temperature Probe

- Ø Corrosion Resistant PTFE | PFA Teflon®
- Ø 0-212°F | 0-100°C Std
- Ø LED Display | Relay Output*
- Ø 4-20mA Output
- Ø Customizable Lengths
- Ø Accuracy: ±0.5%

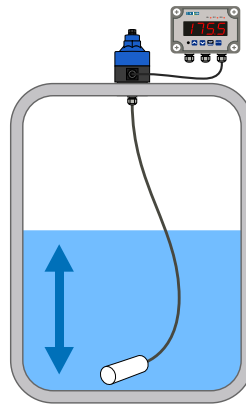


Optional LED Display c/w Relays

STS

Submersible Temperature Sensor

- Ø Corrosion Resistant PTFE Teflon®
- Ø 0-212°F | 0-100°C Standard
- Ø 4-20mA Output
- Ø 15m Teflon® Cable
- Ø Accuracy: ±0.5%



*Junction Box Sold Separately

WirePro®

Shielded Instrumentation Wire

- Ø Solid Core 99.9% Oxygen Free Copper
- Ø No Fraying
- Ø Weave Shield Protects Against Spurious EMF Ingress Signals
- Ø Designed Specifically for 4-20mA Outputs
- Ø H.D Industrial Gauge Applications
- Ø Standard Lengths Available | 25ft - 50ft -75ft
- Ø Custom Lengths



Protection Against Spurious EMF Noise



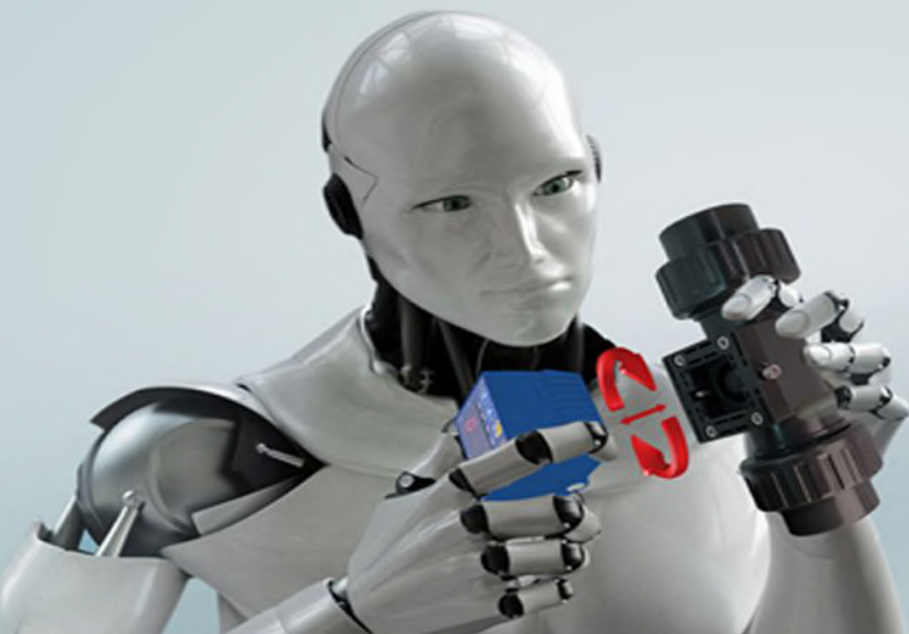
LOTORQ® LT

ANSI 150 lb Full Face Flange Gaskets

- Ø Low Flange Bolt Torques Required for Positive Seal
Due to the Molded Raised Face
- Ø Double Convex Ring Design
- Ø Up to 250 psi
- Ø EPDM | PTFE-Bonded
- Ø ½ - 12" Pipe
- Ø Full Port Double O-Ring Design



*Optional



Innovation by Design
truflo[®]

Product Warranty

Icon Process Controls Ltd warrants to the original purchaser of its products that such products will be free from defects in material and workmanship under normal use and service in accordance with instructions furnished by Icon Process Controls Ltd for a period, which is equal to the shorter of one year from the date of purchase. Icon Process Controls Ltd obligation under this warranty is solely and exclusively limited to the repair or replacement, at Icon Process Controls Ltd option, of the products or components, which Icon Process Controls Ltd examination determines to its satisfaction to be defective in material or workmanship within the warranty period. Icon Process Controls Ltd must be notified pursuant to the instructions below of any claim under this warranty within thirty (30) days of any claimed lack of conformity of the product. Any product repaired or replaced under this warranty will be warranted only for the remainder of the original warranty period.

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If you would like to correspond with an Application Engineer, please contact C A Briggs Company or contact us by phone, Monday through Friday, 8:00 AM to 5:00 PM EST at 267-673-8117 or sales@CABriggs.com



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Instrumentation Equipment

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