

# 2024 Line Card

## Corrosion-Free Instrumentation

**ICON**™ Corrosion-Free  
PROCESS CONTROLS Instrumentation Equipment™



Flow



Liquid Level



Analytical



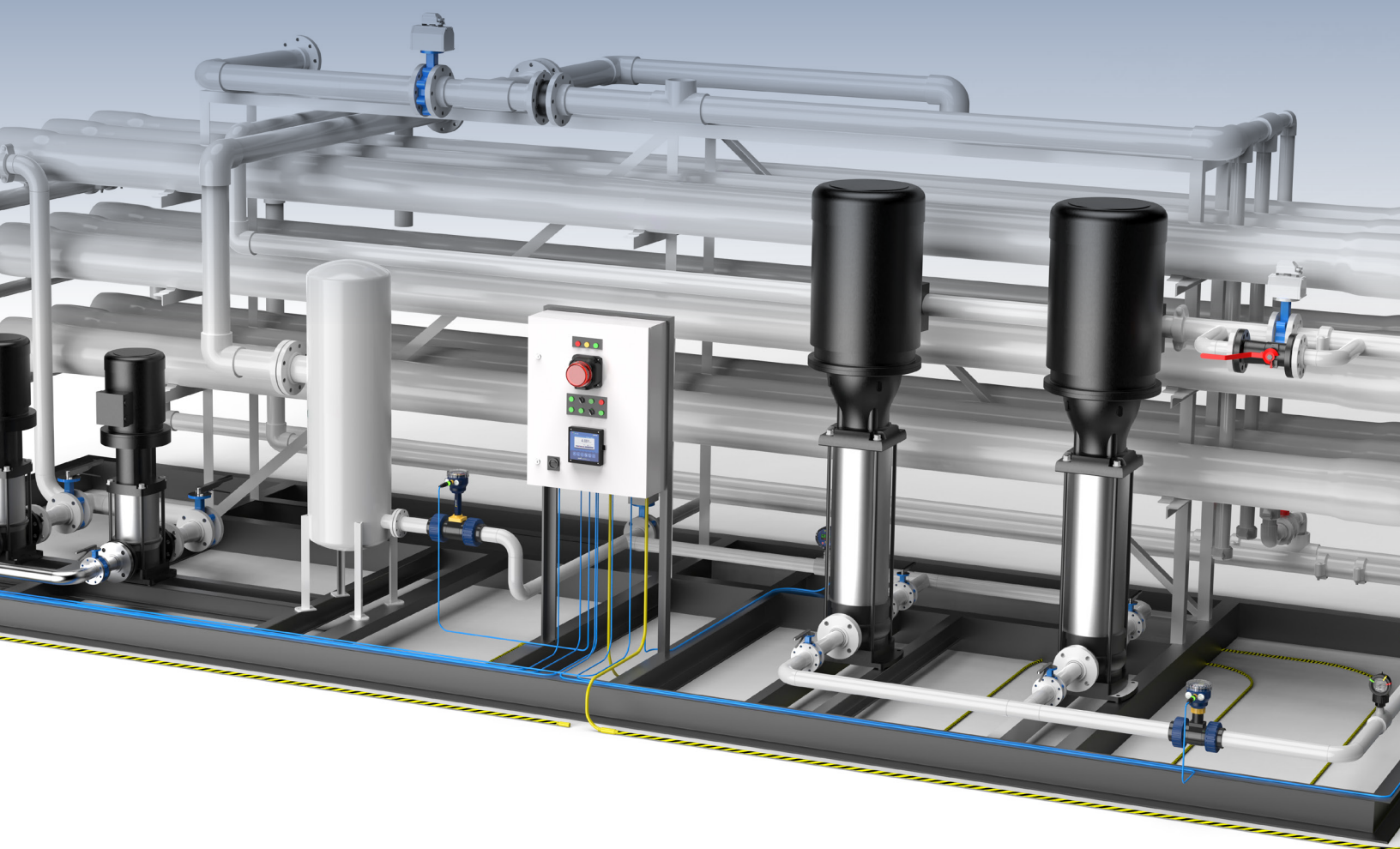
Pressure



Leak  
Detection



Wireless  
Solutions



iChem  
[brendon@ichem.co.nz](mailto:brendon@ichem.co.nz)

## FLOW



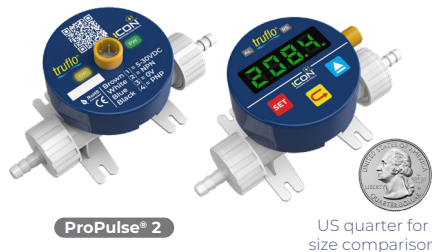
### TK & TI SERIES — Paddle Wheel Flow Meters

- ✓ High Accuracy:  $\pm 0.5\%$
- ✓ PVC | PP | PVDF | 316SS
- ✓ Size Range: TK  $\frac{1}{4}$ " - 4" | TI  $\frac{1}{4}$ " - 24"
- ✓ Zirconium Ceramic Rotor Pin & Bushings
- ✓ Flow Rate | Total | Pulse | Relay | RS485 | 4-20mA | Voltage



### UltraFlo® 500 — Clamp-On Ultrasonic Flow Meter

- ✓ No Contact with Liquid or Pipe Cutting
- ✓ High Accuracy |  $\pm 2.0\%$  of Full Scale
- ✓ Flow Rate | Total | 4-20mA | RS485
- ✓ Works on Carbon Steel | Stainless Steel | PVC | Copper | PVDF | PFA | PTFE | PU | Aluminium



US quarter for size comparison

### ProPulse® & ProPulse® 2 — Mini Turbine Flow Meters

- ✓ Perfect for Metering or Dosing Applications
- ✓ Ultra Low Flow Ranges | 40 ml/m | 0.01 GPM
- ✓ High Accuracy & Repeatability
- ✓ Hose Barb | Threaded | Flared | Straight Pipe
- ✓ Pulse Output | 4-20mA | RS485



### TruFlo® MF-1000 — Magnetic Flow Meter

- ✓ High Accuracy:  $\pm 0.5\%$  F.S.
- ✓ Flow | Total | 4-20mA | Frequency Pulse | RS-485
- ✓ Standard PTFE Teflon® Liner
- ✓ Full Port | No Pressure Drop | No Clog Design
- ✓ Epoxy Coated Carbon Steel Body
- ✓ PTFE Teflon® Liner | Hastelloy C Electrode



## LEVEL



### LevelPro® Submersible Liquid Level Sensors

- ✓ High Accuracy:  $\pm 0.5\%$
- ✓ PVC | PP | PVDF | 316SS | PTFE Teflon®
- ✓ Teflon® Jacketed Cable | Kalrez® O-Ring Seal
- ✓ Superior Chemical Resistance
- ✓ Integral Weight | No Floating
- ✓ Works on Foam | Vapor | Turbulence | Condensate



### LevelPro® LP100 Tank Level Junction Box

- ✓ All Plastic NEMA 4X Enclosure
- ✓ 2" NPT Tank Connection
- ✓ VaporBloc® Sealing System  
(Prevents corrosive vapors from entering into the junction box)

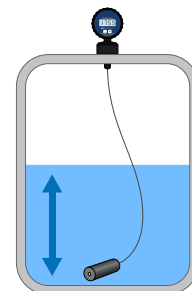


## LEVEL



### LevelPro<sup>®</sup> TankPro<sup>®</sup> Submersible Level Sensor + Display

- ✓ PVC | PP | PVDF | 316 SS Body
- ✓ Teflon<sup>®</sup> Jacketed Cable
- ✓ High Accuracy |  $\pm 0.5\%$
- ✓ Loop Powered LED Display
- ✓ Excellent for Foam | Vapor | Condensate | Turbulence
- ✓ 2" NPT Tank Connection



### LevelPro<sup>®</sup> CFL Level Float Measurement

- ✓ Available in PVC | PP | PVDF | 316 SS
- ✓ Tank Measurement up to 6 ft
- ✓ Two-wire 4-20mA Output
- ✓ Suitable for Clean, Non-Sticky Liquids
- ✓ LCD Display\*
- ✓ Program -HI- -LO- Alarm Indication

### LevelPro<sup>®</sup> PLF Liquid Level Switch

- ✓ 6" - 72" Range
- ✓ Up to 8 Relay Contacts
- ✓ Flange | NPT Connection
- ✓ PVC | PP | PVDF | 316 SS
- ✓ No Power Required

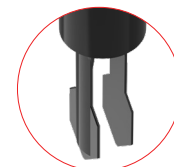
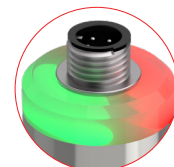


### LevelPro<sup>®</sup> TFS Tuning Fork Level Switch

- ✓ Corrosion Resistant Teflon<sup>®</sup> Coated SS
- ✓ Suitable for Dense Foam | Viscous Liquids
- ✓ Excellent Choice for Coating Liquids
- ✓ 1/2" NPT Connection
- ✓ Relay Output

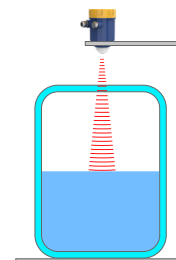
Red & Green  
Status Lights

Teflon<sup>®</sup> Coated  
Forks



### LevelPro<sup>®</sup> ProScan<sup>®</sup> 3 — 80Ghz Radar Level Sensor

- ✓ Bluetooth Connectivity
- ✓ Excellent Reliability and Accuracy
- ✓ Not Affected by Vapor or Outgassing
- ✓ RS-485 Communication | 4-20mA
- ✓ NEMA 4X



### Sentinel<sup>®</sup> Remote Tank Level Monitoring

- ✓ Battery Operated – No Programming
- ✓ Remote Tank Monitoring via Cellular Networks
- ✓ E-mail/Text Reporting Alarms
- ✓ Battery Powered Up to 5 years (3 calls/day)
- ✓ 24/7 access to data through Cloud





# 2024 Line Card

## Corrosion-Free Instrumentation

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### LEVEL



#### SP100 — ShoPro® & TVL Series Level Displays

- ✓ Super Bright LED Display
- ✓ 4-20mA Input / Output
- ✓ NEMA 4X Enclosure
- ✓ DC Output Supply to Sensor
- ✓ Up To 4x 5A Relays



#### ITC-250L Loop & 250B Battery Powered Level Displays

- ✓ 4-20mA Universal Loop-Powered / Battery Powered
- ✓ NEMA 4X Enclosure
- ✓ Bright LCD Digits
- ✓ High Impact Polycarbonate Enclosure



**Chameleon Color Display**  
Outdoor Visibility  
Display Automatically  
Changes from  
**Blue to Green**



#### TVU Universal Multi-Color LED Display

- ✓ 4 Relay Outputs - 5 Amp
- ✓ 24 VDC Power Supply Output
- ✓ 4-20mA + RS-485 | Modbus RTU
- ✓ NEMA 4X Enclosure + Cord Grips
- ✓ Universal Inputs - Current | Pulse | Voltage
- ✓ 8 Levels of LED Brightness
- ✓ Large High Visibility Display



4 LED Color Options



### ANALYTICAL



#### P14 Series — pH Sensors

- ✓ 4-20mA Output
- ✓ Nexus® Solid Reference
- ✓ 3/4" NPT Connection

#### C Series — Conductivity Sensors

- ✓ Conductivity | TDS | Salinity | Resistivity
- ✓ Range 0µS – 2,000mS
- ✓ Direct 4-20mA & RS485 Outputs
- ✓ 3/4" NPT Connection
- ✓ Factory Calibrated

#### pH | ORP | Conductivity — Controllers

- ✓ Large Color LCD Display
- ✓ SimpliCal® Calibration
- ✓ Relay Control Switches
- ✓ 4-20mA & RS485 Output Modes
- ✓ Data Recording | Curve Display | Data Upload Function



Economy



Color LED



Single  
Data Trending



Dual  
Data Trending



Single  
NEMA 4X



Dual  
NEMA 4X



Universal  
5-Channel



## PRESSURE



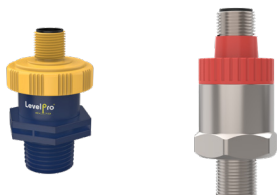
### OBS — Pressure Gauge & Guard Combo

- ✓ No Filling or Assembly Required
- ✓ Excellent Chemical Resistance
- ✓ Glycerin | Silicone Filled
- ✓ Teflon® Diaphragm
- ✓ Large 2½" Display
- ✓ MNPT | FNPT | Flange | Socket | Butt



### PRD — Digital LED Pressure Transmitter | Switch

- ✓ 0.3% F.S. (SS) | 1% F.S. (Ceramic Diaphragm) | High Accuracy
- ✓ Miniature Size
- ✓ 4-20mA + 2 Relay Outputs
- ✓ LED Display
- ✓ Psi | Bar | kPa | Kg/cm2 | in/wc
- ✓ PP | PVDF | 316SS



### LP50 & LP200 — In-Line Pressure Transmitter | Switch

- ✓ 0.2% F.S. (SS) | 0.5% F.S. (Ceramic Diaphragm) | High Accuracy
- ✓ 0 – 60 | 0 – 100 | 0-160 Psi
- ✓ 4-20mA Output | 2 Wire Loop Powered
- ✓ Ceramic Sensing Diaphragm
- ✓ PP | PVDF | 316SS Body for Excellent Chemical Resistance



### PPT Series Digital LED Pressure Transmitter | Switch

- ✓ 0.2% F.S. (SS) | 0.5% F.S. (Ceramic Diaphragm) | High Accuracy
- ✓ 330° Rotating Head | Tri-Display
- ✓ LED Changes from Green to Red in Upset Condition
- ✓ 4-20mA + 2 Relay Outputs
- ✓ PP | PVDF | 316 SS
- ✓ NEMA 4X Enclosure
- ✓ Psi | Bar | kPa | Kg/cm2

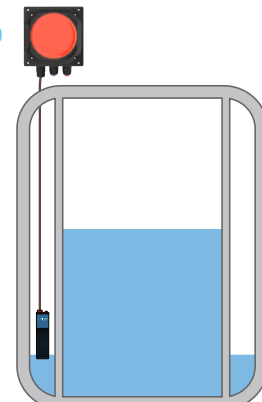


## LEAK Detection



### ProAlert® 2 — Industrial Visual | Audible Sentry Alarm

- ✓ High Intensity Alarm Light & Loud 110dB Audible Alarm
- ✓ Silence Function | Light Remains On
- ✓ Rugged NEMA 4X Industrial Enclosure
- ✓ Completely Pre-Wired — Includes 25' Power Cord
- ✓ Extra Relay Output Contact to Remote Alarm or PLC
- ✓ 316 SS Wall Mount Included



Double Walled Tanks



### LDS Series — Leak Detection Capacitance Sensor

- ✓ Adjustable Sensing Range
- ✓ Plastic Body
- ✓ Relay Output

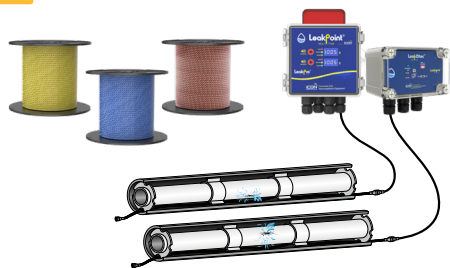
### LD Series Plastic Leak Detection Switch

- ✓ Floor Design
- ✓ Capacitive Fail-Safe Operation for Double Wall Tanks | Leakage Basins | Dosing Skids | Computer Rooms | Leaking Pumps

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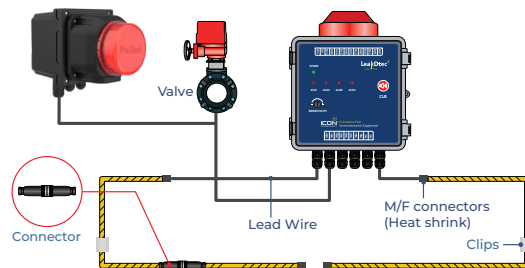
## Corrosion-Free Instrumentation

### LEAK Detection



#### LDC — Leak Detection Cable

- ✓ Capacitive Fail-Safe Operation
- ✓ Perfect for Aggressive and Electrically Conductive Corrosive Chemicals
- ✓ Compatible with LeakPoint® Controller & LDP Module
- ✓ Distance Detect Alarm & Cable Set

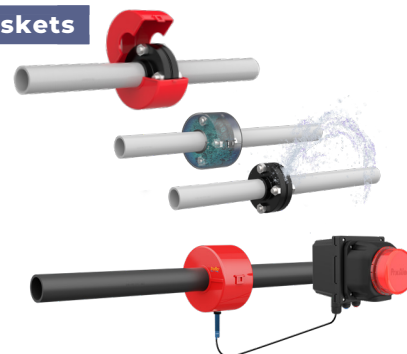


#### Lotorq LT Series EPDM | Teflon® Flange Gaskets

- ✓ Bolt Torque Reduced by Up to 75%
- ✓ Double Raised O-Ring Design
- ✓ Raised Tab – No Pinched Fingers
- ✓ Excellent Chemical Resistance

#### LFS — All Plastic Flange Spray Shields

- ✓ PP Solid Construction ½"-8"
- ✓ Reusable
- ✓ Quick Installation
- ✓ 360° Directional Discharge Port (Optional)

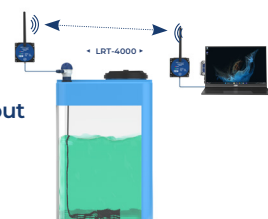


### WIRELESS



#### LRT4000 — LoRa Long Range Wireless Transmitter

- ✓ Transmission Distance of up to 10mi
- ✓ Programmable Data Transfer Intervals
- ✓ Multi-interface Support RS-485 | 4-20mA or Digital Input | Digital Output
- ✓ Robust Outdoor Construction (NEMA 4X)
- ✓ AUX I/O Support Remote Setup | Status Inquiry Function

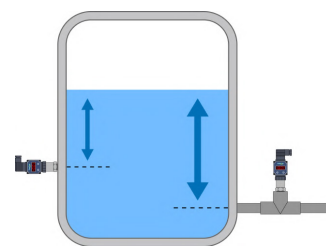


### CHEMICAL FEED



#### TPP Series — PTFE Teflon® Temperature Sensor

- ✓ Teflon® Provides Superior Corrosion Resistance
- ✓ Customizable Lengths | Ranges
- ✓ High Accuracy |  $\pm 0.5\%$  F.S.
- ✓ 2-Wire 4-20mA Loop Powered
- ✓ Local LED Display Option



#### PulsePro® | PPPV | PPPF Pulsation Dampeners

- ✓ Corrosion Resistant All Plastic design
- ✓ No Pre-Charging Required
- ✓ PTFE Teflon® Diaphragm
- ✓ Up to 95%+ Reduction in Pressure Spikes
- ✓ ½" – 2" Sizes



#### BRP Series Back Pressure Relief Valves

- ✓ PTFE Teflon® / EPDM Bonded Diaphragm
- ✓ Glass Filled PP Bonnet
- ✓ PVC | CPVC | PP | PVDF | 316 SS Bodies
- ✓ Field Adjustable 5-150 Psi Range
- ✓ True Union Design with Socket or NPT Connections

