

# Sanitary Instrumentation Solutions

*Fluid Food*

*Beverage*

*Dairy*



Pressure



Temperature



Level



Flow



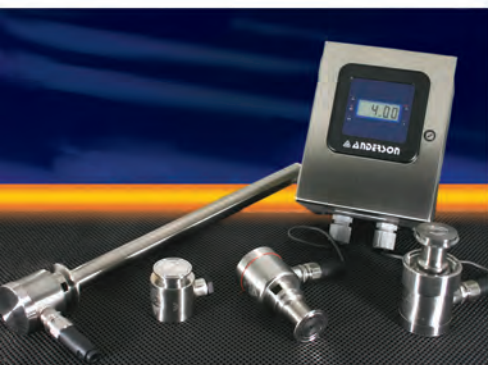
Instrumentation



Analytical



ברלין טכנולוגיות בע"מ  
שדרות גן רווה 13, יבנה, 8122214  
<http://www.berlintech.co.il/>  
[mail@berlintech.co.il](mailto:mail@berlintech.co.il)  
טלפון: 073-7597171  
פקס: 08-6638120





# Anderson Products – Sanitary by Design

*If you don't see what you need, just call 800-833-0081*



## Pressure

### EL Pressure Gauge

- Rugged, all-welded stainless steel construction
- Mechanical or case-fill dampening options for pulsation and vibration protection
- External re-zero standard, wide variety of ranges and process connections
- Polysulfone lens for optimum visibility and durability



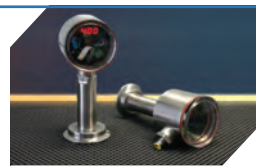
### EN Digital Pressure Gauge

- Highest accuracy and best over-range protection of any sanitary gauge
- Large, clear LCD indicator and user-programmable functions for customization of decimal position, engineering units, and min/max pressure capture
- Optional adjustable relays for control, alarming, or protection of equipment
- Two year warranty



### MPF Modular Pressure Transmitter

- World's first with reconfigurable, replaceable components
- Class leading accuracy & stability
- Advanced diagnostics with visual & output alarms



### RSP / TFP Pressure Transmitters

- Rugged, all-welded stainless steel construction
- 4-20mA and HART outputs available
- Application specific models for various sanitary process and cleaning requirements
- Optional cap-mounted LCD indicator available



## Flow

### IZMAG Electromagnetic Flowmeter

- Best in-class accuracy and turndown ratio
- Integral or remote transmitter options with display
- All SS housing construction for hygienic applications
- Meters available for custody transfer and meter-based timing applications



### RZ Positive Displacement Flowmeter

- Proven performance with a wide range of viscous and non-viscous liquids (liquid sugar, oil, etc.)
- 3-A compliant, with utility grade option
- Robust design with only a single moving part



### HM Turbine Flowmeter

- True sanitary design, 3-A compliant
- Lower cost alternative for batching/blending of clear liquids
- All 316L stainless steel construction



### Other Sanitary Flow Products Available

- Mass (Coriolis) Flowmeters
  - Legal Receiving System
  - Batch/Totalizing Controllers
  - Flow Switches
- Please contact your local Anderson Regional Manager or Technical Service Department for more information.

- Extensive Process Connections and Customization Capabilities
- Application Specific Designs with World Class Technical Support
- NEMA 4X Housings and Connections for Washdown Applications



## Instrumentation

### AV-9900 HTST Recorder Controller

- Dual element probe and comparator: failsafe against any drift in RTD output
- Full-color chart on plain paper: simple, easy to read, even with multiple variables
- Programmable, alpha-numeric printing: chart ranges, scales and messages customized for your HTST, HHST or UHT process
- Wide range of sensor mounting options to meet your connection requirements



### AV-9000 Recorder / Recording Controller

- Universal RTD / mA / switch contact inputs
- Programmable, alpha-numeric printing: chart ranges and scales with customized messages
- Full-color chart on plain paper: simple, easy to read, even with multiple variables



### Differential Pressure Switch

- Digital pressure displays with DP Bar graph: easy to monitor system parameters to maintain "uptime"
- High temp sensor options for HHST and UHT applications
- High Pressure alarm: freeze-up protection, or elimination of start-up oscillations
- 4-20mA retransmitted outputs simplify "Split Regen" & automatic back-pressure control



### DART Digital Reference Thermometer

- Digital display: eliminates guesswork when checking accuracy or speed of response
- Remote display: mounts at the panel for simpler, safer checks of the STL
- Dual element with comparator: failsafe against faulty readings
- All electronic: lower cost of ownership; replaces mercury in glass thermometers



### AJ-300 Circle Chart Recorders

- 12 inch chart for maximum readability and accuracy; single or dual pen option
- Integrated digital display, optional loop controller, relay and mA isolated signal outputs
- Three year warranty



### Temperature Controllers and Displays

- 1/4 or 1/8 din panel meters/controllers
- Multiple relay and alarm outputs
- GK series display will accept a wide variety of different input sources
- ED-190 controller allows for direct replacement of existing pneumatic controllers



- Authorized to Display the 3-A Symbol, Third Party Verified
- Compliant with FDA/PMO and USDA Guidelines
- All Stainless Steel Construction with 316L Wetted Parts



## Level

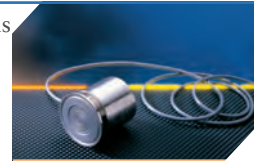
### SL Hydrostatic Level Transmitter

- Superior accuracy for reliable inventory management
- "One-Touch Zero" allows for simplified field calibration and setup
- Factory preconfigured for your tank - eliminates errors at start-up
- Wide range of process connection options to meet your requirements
- Dual Diaphragm design for superior reliability



### HB Mini Level Transmitter

- Specifically designed for control applications such as Balance Tanks and CIP vessels
- Ranges to 160 in. of water column accommodate a wide variety of vessel sizes
- Factory calibrated and preconfigured - saves installation time
- Temperature compensated for improved accuracy



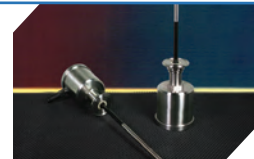
### TD/HD Sanitary Differential Transmitter

- Dual transmitter output with DP level primary and top/bottom pressure selectable
- Multifunctional integral LCD display
- Retrofits to most existing capillary DP system process connections
- Optional HART protocol available



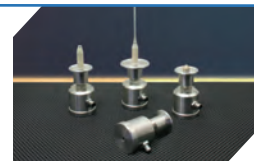
### LN Potentiometric Level Transmitter

- Exceptional long term stability
- Unaffected by temperature and/or dielectric changes
- No moving parts for high reliability and cleaning in place
- Rugged construction with potted electronics



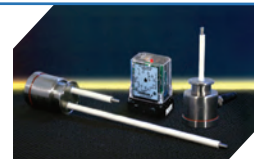
### LS Capacitive Point Level Detection

- Available lengths up to 10"
- Conductivity independent
- Fast reaction time
- Selectable sensitivity



### LB Point Level Probes for Conductive Liquid Applications

- Long term sterility and cleanability
- Integrated stainless steel head makes retrofit simple
- Water-tight quick disconnect includes pre-wired tank reference
- Up to four probes per fitting for multiple level applications
- Field-trimmable up to 6"



## Other Level Sensors and Inventory Management Systems Available

### Inventory Management Systems

- Pulse 100 - single tank liquid level display
- Liqui-Track 800 - one to eight tank PLC based inventory level monitor/management system
- Liqui-Track 3200 - nine to thirty-two tank PLC based inventory level monitor/management system

### Top Down Level Solutions

- LD - Ideal for fillers and process vessels with foaming products

- Designed for CIP and NEMA 4X Environment
- Wide Variety of Continuous and Point Level Solutions
- Sanitary Level Application Assistance Available



## Temperature

### SA/CT RTD Transmitters and Wiring Heads

- Modular design, with standard or mini head provides maximum flexibility
- All stainless steel construction, no exposed threads, extensive process connections
- Single or dual element, single or dual output, with optional LCD indicator
- Fast Response design as standard



### FH Digital Temperature Gauge

- Local LCD indicator with optional secondary RTD output, switching version available
- Battery-operated (AA) with 1 year minimum life
- For use in all "non-pasteurizer" applications
- Field adjustable calibration
- Versions specifically approved for retorts available



## Analytical

### ITM Turbidity Sensor

- Online monitoring of suspended solids
- Product to water or product to product transition monitoring to improve yield and reduce waste
- Satisfies requirements for dairy water reuse applications (ITM-4)
- Integral display for easy configuration and local indication
- Single piece design simplifies installation



### HC /DA Toroidal Conductivity Sensor, Transmitter, and Analyzer

- Stainless steel probe with PFA coating for long life
- Rugged construction designed for CIP applications
- Analyzer or transmitter options for best-fit solution



### Other Sanitary Analytical Process Instruments Available

- Turbidity
- Dissolved Oxygen
- pH
- Contacting Conductivity

Please contact your local Anderson Regional Manager or Technical Service Department for more information.



## Meeting the Critical-Process Requirements of the Fluid Food, Beverage, and Dairy Industries

Anderson Instrument Company is a leading producer of Sanitary Process Instrumentation for the Dairy, Fluid Food, and Beverage Industries. As an innovative manufacturer, we provide our customers with engineered products that solve application-specific problems.

Our vertical integration enables Anderson to control all facets of design through manufacture, ensuring the reliability and performance of our products.

Sanitary by Design means we exceed the rigorous sanitary requirements of your most critical sanitary Fluid Food, Beverage, and Dairy applications – better, faster and more cost-effectively.

Anderson Instrument Company, Inc.  
156 Auriesville Road • Fultonville, NY 12072  
Phone: 800-833-0081 • Fax: 518-922-8997

Anderson Instrument Company LP  
400 Britannia Road East, Unit #1  
Mississauga, Ontario L4Z 1X9  
Phone: 905-603-4358 • Fax: 905-568-1652



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