

Hygienic Instruments

- Food & Beverage
- Pharmaceuticals
- Biopharmaceuticals





SANITARY BY DESIGN

ANDERSON-NEGELE

PRODUCT RANGE

FOR FOOD

SENSORS FOR FOOD AND BEVERAGE

- Temperature
- Point Level
- Level
- Pressure
- Flow
- Conductivity
- Refractometer
- Turbidity

FOR PHARMA

SENSORS FOR PHARMACEUTICAL INDUSTRY

- Temperature
- Level
- Point Level
- Pressure
- Flow
- Conductivity
- Turbidity

Level

Pressure

Conductivity

Temperature

Flow

Temperature

SENSORS FOR FOOD & LIFE SCIENCES

Conductivity

Flow

Temperature

Pressure

Point Level

Conductivity

Turbidity



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TEMPERATURE

- Temperature measurement without opening process
- Temperature measurement in pipes and vessels
- Multiple output options, RTD, 4-20mA, Duplex etc.
- With transmitter or digital display
- SIP/CIP withstand capacity
- Modular adaptation for all types of process connections
- Easy and fast calibration
- Front flush design possible
- Electropolished available up to $Ra < 0.38\mu m$
- Gap free and dead lag free M12 connection for DN 15
- Rapid response time



LEVEL SWITCH

- Very exhaustive range for all kinds of applications
- Reliable switching also with adhesive media
- SIP/CIP withstand capacity
- Small built-in length and very good clean ability
- Fast response times
- Capacitive and conductive type ranges available
- Up to 4 points sensors available



LEVEL TRANSMITTER

- One of best hydrostatic level transmitters in the market
- Climate independent hydrostatic sensors
- Modular design options with remote display
- Integrated tank linearization and density compensation
- Digital communication for remote displays without capillary tubes
- Offer for pressurized tanks and small buffer tanks also available



FLOW SWITCH

- Ultrasonic and calorimetric ranges in flow switches
- Reliable dry run monitoring of pumps
- Monitoring of filters and valves
- Range with temperature independent sensing
- Adjustable switching points
- Optional analog output, low accuracy
- Shorter response time



FLOW METER

- Magnetic-inductive and turbine range available
- Up to 0.2% accuracy in Magnetic flow available
- Can be used for liquids, mash and pasted with solid content < 5%
- CIP/SIP up to 130 °C (max 30 mins)
- Large selection of process adaptors
- 30 lph to 640,000 lph range
- All models very compact in size.



PRESSURE MEASUREMENT

- Mechanical pressure gauges as well as electrical pressure transducers complete range available
- Stainless steel diaphragm highly resistant to overload
- Dual diaphragm special pharma model available with diaphragm failure indication (DFI Technology)
- Adjustment of zero and span available in gauges
- Compact high precision gauge for pipes from 1/4" and vessels
- Temperature compensated pressure measurement
- Fastest response time of 200µs available
- Differential pressure measurement with remote display





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CONDUCTIVITY METER

- Extremely short response time, only 1.2s, for highest efficiency
- Flex-Hybrid Technology: Digital IO-Link and analog 4...20 mA in parallel
- Accurate phase separation of different media means less resource losses and cost optimization
- Maximum use of the cleaning agents in CIP-/SIP processes due to correct re-guidance into the respective storage tanks
- Minimum cleaning time and water consumption: active switch-over after reaching the desired value by inline analysis and not by passive, pre-set time control
- Precise concentration of the cleaning agents
- Modular design: configurable from the low-cost basic version to the high-end model



Limited offer, check with sales.

TURBIDITY METER

- Reliable and cost effective
- Active phase separation in production process
- Minimization of resource losses
- Reduction of water consumption
- Fast response time
- Selectable value %TU/NTU/EBC
- Range options available from 0..300,000 NTU
- Smallest measurement of 0-5 NTU possible
- Colour independent measuring principal



REFRACTOMETER

- Very compact (ø 66 mm, 480 gr.), front flush refractometer with simple inline integration without bypass
- Fully automatic measurement in the desired intervals (adjustable from 2 sec), saving up to 1 man-hour of working per shift.
- In the case of manual measurement, the entire product produced between measurements, e.g. every 20 minutes, may be defective. IRM-11 can avoid product losses by its permanent measuring method
- Fully temperature compensated for precise results even with rapid changes
- The simple installation guarantees precise measurement already during mixing in the tank or exact adjustment during the running process
- Long-life LED light source with highly resistant sapphire optics
- Colour independent measuring principal

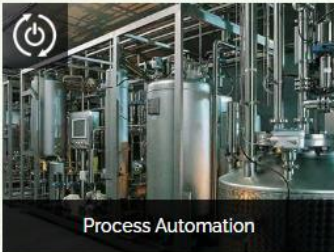


ABOUT US

Pinnacle Industrial Controls is an established industrial automation and control system solutions company. With over 22 years of experience. We partner with clients spread across the world, ranging from mid-sized companies to MNCs from OEMs to end users. Our engineers are well equipped to execute customized integration needs of the pharmaceutical industry world. They are well equipped with knowledge base across various software, hardware, operating systems, network and manufacturing processes.

What We Do

Pinnacle's commitment and understanding of the automation business over the years has helped us become one of the top system integrators in the country.



ANDERSON-NEGELE PARTNERSHIP



We are happy to announce that we have been recognized as the Anderson - Negele **PREFERRED PARTNER** as well as **ANALYTICAL INSTRUMENT SPECIALIST**.

The Pinnacle team has successfully participated in the Anderson-Negele channel training programs and we have a deep understanding of the business and products. In our association as their authorized partner for over 6 years we have been committed towards deepening our relationship and working in synergy with the Anderson-Negele team, we feel encouraged to be recognized as the first Preferred Partner for the Indian market.



INNOVATION DRIVES OUR AUTOMATION



PINNACLE
INDUSTRIAL CONTROLS

Pinnacle Industrial Controls Pvt. Ltd.

J-208, Ansa Industrial Estate, Saki Vihar Rd,
Andheri (E), Mumbai - 400 072.

+91 (22) 4228 1900 info@pinnacle-controls.com