

FOOD & BEVERAGE

INSTRUMENTATION FOR THE PROCESSING INDUSTRY



IMPROVE QUALITY
REDUCE COSTS
SAVE TIME

JMI INSTRUMENT CO.

www.jmicompany.com

LEVEL

RADAR

- 80GHz non contact radar
- Flush-mounted PEEK Lens antenna;
- Small dead zone and beam angle for small and narrow tanks or agitated tanks



RF ADMITTANCE

- For liquids, slurry applications
- Cote Shield Technology eliminates effect of product build-up on probe
- Suitable for CIP and SIP



HYDROSTATIC

- For Level measurement in insulated tanks / silos / vessels.
- Built in tank geometries
- Temperature compensated.



POINT LEVEL

- Unique frequency sweep technology.
- IP69K rated for CIP and washdown
- Liquids, solids, pastes, oils, granulars
- 360° visible multicolor LED



PRESSURE

SANITARY TRANSMITTERS

- High Quality transmitters with polished, all SS housings.
- IP68 rated for CIP and washdown
- Flush SS and ceramic sensors



SANITARY GAUGES

- Digital sensing technology
- Fully programmable, LCD display
- Hazardous area classifications



MULTIFUNCTION

- Multifunction smart pressure sensor
- IP69K rated for CIP and washdown
- Analog and switching outputs
- Touchscreen operation



OEM

- Low profile pressure transmitters
- IP69K rated for CIP and washdown
- Low profile design
- IO Link and analog output



FLOW

MASS FLOW

- Inline measurement of mass flow, density and temperature.
- Batching capabilities
- Drainable and CIP/SIP rated
- 3A certified



FLOW SENSORS

- Calorimetric flow sensor with dual outputs for flow and temperature.
- -4F to 302F operating range
- Rugged and Compact
- Various process connections



NON INTRUSIVE

- Non-invasive flow measurement.
- Hygienic and safe with no direct contact with the process
- Steam, Liquids, Gasses
- Ethernet, FF, HART, Profibus, and analog outputs



MAGNETIC FLOW

- High accuracy : $\pm 0.15\%$ of rate
- Data Transfer Using microSD Card
- Dual frequency coil excitation for stable zero and noise immunity.
- Multiple communication options; Ethernet IP, FF, HART, Profibus, analog



VALVES

ANGLED SEAT

- Angle seat valves are reliable, require low maintenance and are characterized by a long lifespan with millions of cycles.



SLIDING GATE

- Fast acting, efficient, high accuracy and range-ability make this great solution for liquid, vapor, and gas applications



PINCH AND DIAPHRAM

- Pinch valves are a simple and effective solution for shut-off control applications with abrasive, corrosive or fibrous products.



LEVEL:

- RECEIVING TANK LEVEL
- STORAGE TANKS
- CIP CHEMICAL TANKS
- STORAGE SILO
- BATCHING TANKS

SAFETY:

- TANK BLANKETING
- O2 DEPLETION
- LEL/CO2 MONITORING
- REFRIGERANT LEAKAGE
- SPILL DETECTION
- FLAME DETECTION
- CO MONITORING

ANALYTICAL

ANALYZERS

- Multiple inputs for ph, conductivity.
- Analog and switching outputs
- Ethernet, RS-485, Bluetooth
- Touch screen operation
- IP66/NEMA4X enclosure



INLINE CONDUCTIVITY

- All-in-one conductivity sensor with industry leading 15s response time.
- IP69K, CIP/SIP rated
- All wetted parts in PEEK
- Integral or remote sensor



CONCENTRATION

- Inline and non-contact measurement of refractive index, concentration, and density measurement
- Unaffected by any fouling film on the prism.



PRESSURE:

- HEAT EXCHANGERS
- PROCESS LINES
- REACTORS
- SEPERATORS
- HOMOGENIZERS
- PUMPS
- PASTEURIZATION

ANALYTICAL:

- CIP CONTROL
- PHASE SEPERATION
- WASTE WATER
- BRIX CONCENTRATION

SAFTEY

GAS/FLAME

- Protect your personnel and assets with the best in class safety gas and flame monitors
- Industry leading technology in safety
- 5 year sensor life/3 year warranty



DATA ACUISSION

VIDEOGRAPHIC RECORDERS

- Data acquisition and recorders
- Batching and 21 CFR part 11 comp
- Ethernet/IP, USB, and Modbus comm



TEMPERATURE

SANITARY ASSEMBLIES

- Fast response < 1s
- Integral 4-20mA transmitter
- Touchscreen display or blind
- P69K rated for CIP and washdown



FLOW:

- BLENDING & BATCHING
- THERMAL PROCESSING
- PUMP PROTECTION
- CIP PHASE SEPERATION
- PROCESS COOLING
- TANK BLANKETING
- COOLING WATER
- WASTE WATER

DATA ACUISSION:

- CIP VERIFICATION
- PRODUCT TRACEABILITY
- PRODUCT QUALITY
- PROCESS VERIFICATION

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