



CHALTRON
SYSTEMS, INC.

MANUFACTURER'S REPRESENTATIVE AND DISTRIBUTOR

Industrial Measurement Instrumentation for Process Control

LINE CARD



CHALTRON SYSTEMS, INC.
OFFICE: (440) 639-6400
EMAIL: SALES@CHALTRON.COM
WEB: WWW.CHALTRON.COM

Non-Invasive Liquid, Gas & Steam

- Ultrasonic Transit Time Principle
- Permanent and Portable Solutions
- Externally Mounted to Pipe / Clamp-On
- Low Flow Capability / Leak Detection
- Wide Range Turn down: >100:1
- Built-in Data Recorder
- NIST Traceable Calibration

- 4-20mA, HART, Modbus, Ethernet Outputs
- Advanced Meter Verification & Diagnostics
- Multi-Beam / Multi-Channel Meters
- Permanent Sensor Coupling to Pipe
- No Process Shutdown for Installation
- Thermal Energy / BTU Metering
- HPI - Hydrocarbon Media Detection
- Online Process Refractometer Analyzers
- Non-Intrusive Concentration Measurement



Approvals: **FM Class I - Div 1 / Div 2, ATEX/IECEx Zone 1**
Temperature Range: **-40 °F to +392 °F / WI: -328 °F to +1112 °F**

Fixed Hazardous Gas Detection



SMC



SMC Sentry IT Controller: Powerful network-enabled hazardous gas detection system that operates up to 32 detectors and interfaces with devices over Modbus RTU, 4-20 mA, Sentry PSG Bus, and conventional dry contact.

SMC 5100-XX-IT gas detector monitors toxic gases such as Hydrogen Sulfide, Carbon Monoxide, Nitrogen Dioxide, Ammonia, Oxygen Deficiency, and others. SMC 5100-28-IT detector uses infrared technology, an accurate and stable gas detection method that is low maintenance and can operate in highly combustible and/or low oxygen environments. 4-20 mA, Modbus, HART, relay contacts or SentryBus.

Approvals: **FM, CSA C22.2, ABS, ATEX, UL 2075, IECEx, SIL 2, CE**



CHALTRON
WEB BASED DATA SYSTEMS
Monitor - Record - Track

Remote Web Based Viewing & Data Recording



- 4-20mA, Modbus TCP, Ethernet IP & More
- Remote Viewing of Process Instruments
- Scalable up to 256 Devices
- Continuous Data Recording
- Comprehensive Security and Data Integrity
- Certified Billing Solution for Regulated Industries
- Batch Control, Maths Functions, Totalizers, Audit Trail
- Electronic Signatures and Password Control Meet FDA 21 CFR Part 11
- Reduced Engineering Costs



TOSHIBA

Magnetic Flow Meters



- Electromagnetic Principle
- 0.2% Accuracy Calibration
- Integral and Remote Solutions
- Mount Anywhere (1 Up / 0 Down)
- Microwave Density Analyzers
- 10 Year Warranty on Products



Vortex Shedding Flow Meters



- Vortex Shedding Principle
- In-line & Insertion Vortex Meters
- Integrated Multi-variable Sensing
- Integrated Thermal Energy Option
- Suitable for Clean Liquid Flow
- Suitable for Gas & Steam Flow
- Insert/Retract Mechanism for Hot Tap



Thermal Dispersion Flow Meters

- Thermal Dispersion Principle
- Flow Meters & Flow Switches
- Valuemass and Master-Touch (Multi-Tiered Products)
- High Temp. Capable to 977°F
- In-line & Insertion Solutions
- Multi-Point Systems
- High Purity Series
- Airline Series



Coriolis Flow Meters

- Coriolis Principle
- Mass Flow for Liquids or Gases
- Pro Series: 0.1% Accuracy Calibration
- Classic Series: 0.3% Accuracy Calibration





Level Transmitters

- Diverse Level Solutions Portfolio
- Multichannel Process Controller
- Non-Contact Radar Level Transmitters
- Guided Wave Radar Level Transmitters
- Ultrasonic Level & Flow Sensors
- Magnetic Level Indicators

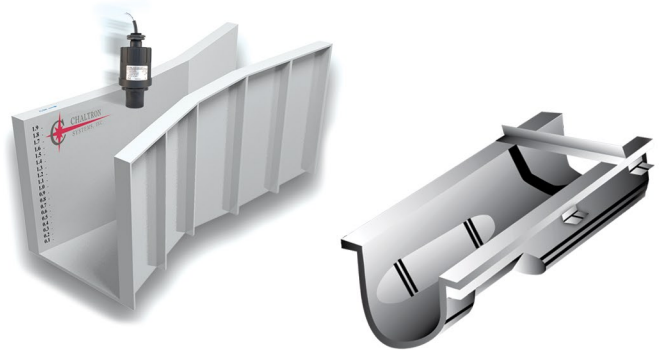


- RF Capacitance Transmitters
- Magnetostrictive Transmitters
- Hydrostatic Level / Pressure
- Vibrating Fork / Rod Switches
- Float & Paddle Switches
- Analytical Transmitters
- Temperature Transmitters
- Pressure Transmitters / Switches



All Weather Fiberglass Parshall & Palmer Bowlus Flumes

- Tough, Maintenance-Free Reinforced Fiberglass
- Rigid Self-Supporting Design for Metering Liquids in Open Channels
- Smooth One-Piece Construction Prevents Debris Build-Up and Reduces Head Loss
- Virtually Unlimited Life in the Measuring of Sewage and Industrial Wastes
- Dimensions Per U.S. Dept. of Interior's Water Measurement Manual



Industrial Wireless

- For Monitoring and Control
- Hazardous Area Access Points
- Telmar Instruments



Magnetic & Mechanical

- Low Cost Magmeters
- Paddlewheel & Turbine Meters
- Single & Multi Jet Meters



Digital Panel Meters

- Digital Display Indicators
- Small & Large Displays
- Industrial Wireless
- Light & Horn Packages



New! Power Metering



- High Precision Frequency Measurements
- Certified ANSI C12.20 0.1 Accuracy Class
- NERC CIP Compliant Cyber Secured



Service / Support / Calibration

- Flow Meter Verification and Calibration
- Gas Detection Verification and Calibration
- Local Startup & Commissioning of Products
- Flow Meter Rental & Flow Testing
- Engineered Solutions Including Solar Power