

Preserving Our Water Resources One Drop at a Time



AXG/AXW Magnetic Flowmeters



- Exclusive dual frequency excitation method ensures quicker response, reduced noise, and greater stability in high-concentration slurries
- Advanced diagnostics with built-in health check verification, detection of flow noise, electrode coating, and conductivity changes
- NSF-61 available on select models, 3A approved, Ethernet/IP ready
- Micro SD for easy duplication, data logging, or offline maintenance
- Flat spec accuracy up to 0.15% and measurement of fluids with conductivity as low as 1uS/cm



RotaMASS Total Insight – Coriolis Flowmeters



- Unique “box-in-box” design decouples the measuring tubes from pipeline stresses and vibration guaranteeing reliability
- Designed for easy installation
- Uninterrupted and reliable measurement under extreme aeration conditions by utilizing Smart Power Management
- Tube Health Check function for in-line meter verification without disturbing process measurement
- Net Oil and advanced concentration measurements
- NTEP and 3A Approvals



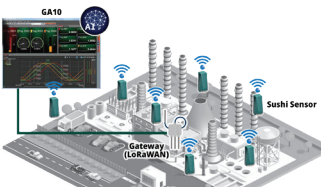
EJA & EJX Pressure and Level Transmitters



- DPharp sensor technology provides simultaneous measurement of differential pressure (DP) and static pressure (SP) with a single transmitter
- Class-leading total accuracy and long-term stability up to 15 years
- Fast response time of 90ms
- Built-in compliance to IEC 61508 as standard
- Multi-variable transmitter available with compensated mass flow output
- DP level solutions overcome temperature effects to improve measurement accuracy regardless of seal system configuration preference



Sushi Sensors and GA10 AI Software – IIoT Plant Asset Management



- Wireless sensors for monitoring vibration, pressure, temperature
- Automated plant equipment health monitoring to replace manual operator rounds and digitize data
- Industrial IoT sensor with long-range capability via LoRaWAN
- Easy plug and play installation with intuitive set-up from Smartphone application
- Artificial Intelligence and data monitoring on-premise and/or in the cloud
- Schedule maintenance to reduce downtime
- FM approval for hazardous locations



Liquid Analyzers – pH, ORP, Conductivity, Dissolved Oxygen



- pH and ORP, conductivity, inductive conductivity and dissolved oxygen measurements
- Single point or multi-channel options for analog or digital sensors
- HART®, Modbus, Ethernet, Foundation Fieldbus™, PROFIBUS™, 4-20mA
- On-line sensor diagnostics
- Predictive maintenance and sensor replacement



Fluid Imaging Microscopy - FlowCam



- FlowCam is a flow imaging microscope that combines the benefits of digital imaging, flow cytometry, and microscopy into a single solution

- Applications include water/wastewater, life science, materials research, and industrial applications
- Obtain the highest-resolution images to analyze the shape, size, and count of subvisible particles and microorganisms
- Leading flow imaging analysis for oceanographic research, municipal water quality monitoring, biophysical analysis of API aggregates, cell and gene therapy, food and beverage analysis, materials characterization and many other areas of research



SMARTDAC+ GX/GP Paperless Recorders

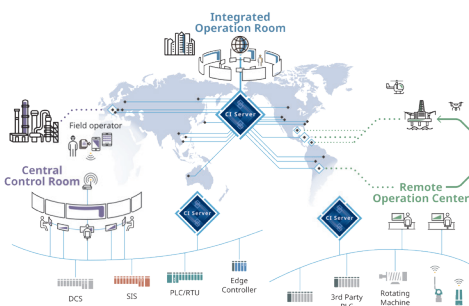


- Modular construction, scalable from 30 to 100 input channels on the main unit, and expandable to 450 input channels

- Easy integration to PLCs and SCADA via EtherNet/IP
- Built-in AI with "Future Pen" predictive waveforms and "Future Alarm" to predict trouble events
- Data integrity complying to FDA 21 CFR Part 11
- Intuitive touch screen to visualize, write, search, etc
- Enable TC, DCV, RTD, DI, and DO measurements with modules
- Fast selectable scan intervals from 1 ms to 5 sec
- Secure and reliable data storage to both internal (500MB to 1.2GB) and external (up to 32GB)



Control and Safety Systems – SCADA, PLC, DCS



- SCADA: Collaborative Information (CI) Server enables digital transformation across multiple facilities by unifying data with disparate formats and protocols into valuable, actionable information
- LC: The FA/M3 is the next-generation PLC's featuring ultra-high speed, stable control, and high-performance networking for real-time, deterministic automation and monitoring. FA/M3 is scalable up to 8192 I/O points.
- CENTUM VP - DCS: Yokogawa's robust production control system is designed for mission-critical applications that demand performance, reliability, and scalability



Water Industry Solutions Guide

WATER														
WASTEWATER														
SLUDGE														
Raw water withdrawal	Flocculation / coagulation	Sand filter	Activated charcoal filtration	Pressure filter	Membrane filtration	Neutralization	Disinfection	End treatment / effluent	Storage	Distribution	Softening	Pump health	Sewer / storm water basin	Pumping station / lift station
Influent	Bar screen	Sand / grease trap	Precipitation / secondary clarification	Sludge activation / aeration basin	PO4 coagulant dosing	Return sludge	Disinfection and effluent	Blower system	Pump health	Sludge concentrator and dewatering	Sludge digestion	Sludge conditioning	Sludge incinerator	Biogas treatment
CONTROLLERS	YS1000 Series	Single loop controller - dosing control												
	UTAdvanced	Digital indicating controller												
	FA-M3	PLC												
DATA ACQUISITION	GX10 or GX20 or GM10	Paperless data recorder												
	GA10	Data logging software (PC)												
FLOW	RAMC, RAKD, RAGN	Rotameter												
	AXW Series	Magnetic flowmeter AXW												
	CA Series	CA magnetic flowmeter												
	FM6 Series	Magnetic flowmeter 3rd party												
	ROTAMASS TT Series	Coriolis mass flow												
	DY Series	Vortex												
LIQUID ANALYSIS	FLXA402	Transmitter / analyzer												
	FU20	pH potentiometric												
	FU20	ORP potentiometric												
	ISC40	Conductivity - inductive												
	DO71	Dissolved oxygen - optical												
	TB820D+ FLXA402T	Turbidity - EPA...ISO....												
	TB820D+ FLXA402T	TSS - Turbidity - EPA...ISO....												
	FC800D+FLXA402T	Chlorine - free chlorine												
	RC800D+FLXA402	Chlorine - residual chlorine												
GAS ANALYSIS	ZR802 + ZR22	Oxygen analyzer												
LEVEL	EJA530E/EJA110E	Cont. level - hydrostatic												
PRESSURE	EJA510E/EJA530E	Absolute and relative pressure												
	EJA110E	Differential pressure												
TEMPERATURE	YTA610	RTD temperature												
IIoT ASSET MONITORING	XS770A	Sushi vibration sensor												
	XS530+XS110A	Sushi pressure sensor + comm module												
	XS550+XS110A	Sushi temperature sensor + comm module												

Planning to start a custom application?

Get a free consultation and estimate from industry experts

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BU-L-20230614-01

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