

## SYSTEMS

### CENTUM VP



- Integrated production control system; CENTUM VP is an extremely reliable, highly available process automation system that utilizes rugged Class 1 Division 2 controllers and I/O subsystems combined with Windows Vista/XP based operation.
- Highly Coupled with Yokogawa Solution Based packages to improve a single integrated real-time database.
- Designed for mission-critical applications, this scalable and expandable architecture combines with open system connectivity to ensure seamless technology migration.

For more information request bulletin: BU33L01A01-40E

### ProSafe-RS



- SIL 3 TUV Approved Safety Integrated System (SIS).
- Integrated operation with CENTUM VP for one process, one network, one window with separate engineering environment.
- Risk reduction: a single safety system, from a single vendor.
- Highly scalable architecture.
- SIL 3 capability on a single module.

For more information request bulletin: BU32S01B10-01E

### STARDOM

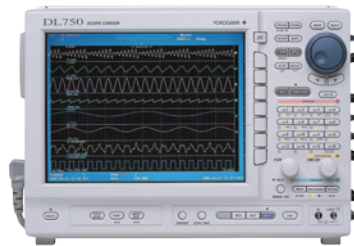


- Network-based control system ideally used in SCADA environments with FAST/TOOLS SCADA HMI.
- JAVA/Web enabled.
- Smart SCADA RTU/Autonomous Controller.
- Fieldbus enabled with integration to Yokogawa's Device Asset Maintenance and Management system - Plant Resource Manager (PRM).

For more information request bulletins: BU34P02A00-01E or BU50S03A00-E-E

## TEST & MEASUREMENT

### DL750 ScopeCorder



- 1 GP large memory for up to 30 days continuous recording.
- USB, GPIB, RS-232 and SCSI communication options.
- Web Server, FTP, and e-mail functions via Ethernet.
- Simultaneous high and low speed recording
- Optional PC card drive and a 30GB internal hard drive.

For more information request bulletin: BU7012-00E

### AQ7275 Optical Time Domain Reflectometer



- High speed measurement, easy to operate, full feature set for installation & maintenance.
- Short dead-zone: <0.8m.
- Fast boot-up: <10sec.
- Fiber Type: SMF, MMF, both, multi-wavelength.
- PON option tests 1x32 splitters with no undershoot.

For more information request bulletin: BUAQ7275-02E

## METERS & INSTRUMENTS

### CW240-D Portable Clamp-On Power Meter



- Simultaneous measurement of power, harmonics, voltage fluctuations and waveforms.
- Supports a wide range of current and voltage inputs from 1p2w to 3p4w.
- Accurate measurements and customized reports for power quality management in your plant or facility.

For more information request bulletin: BU7012-00E

### CA150 Multifunction Calibrator



- Calibrates Smart (digital) transmitters.
- Highly accuracy: 0.02% of DC voltage.
- Simultaneous source/measure: DC V, A, RTD, TC, pulse.
- Loop power supply: 24DCV/Max 22ma.
- Memory: 22 settings, 100 data items.

For more information request: BUCA150-E

# Product Overview



## A World of Innovative Solutions

As a company, our goal is to contribute to society through broad-ranging activities in the areas of measurement, control and information.

# YOKOGAWA

Individually, we aim to combine good citizenship with the courage to innovate.

Since its founding in 1915, Yokogawa Electric Corporation has been devoted to the business fields of measurement, control, and information, and consistently contributed to the development of the economy and the increased affluence of society. Our long and illustrious history and our highly refined, leading-edge technologies have earned us the trust of global industries, and we consider this to be one of our greatest assets.

**vigilantplant.**

the clear path to operational excellence

SEE CLEARLY

KNOW IN ADVANCE

ACT WITH AGILITY

VigilantPlant is Yokogawa's automation concept for safe, reliable, and profitable plant operations. VigilantPlant aims to enable an ongoing state of Operational Excellence where plant personnel are watchful and attentive, well-informed, and ready to take actions that optimize plant and business performance.

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BU OA1A3-02E-A



# A World of Innovative Solutions

## FIELD INSTRUMENTS

### RotaMASS Coriolis Flowmeters



- Unique "box-in-box" design decouples the measuring tubes from pipeline stresses and vibration guaranteeing reliability and easy installation.
  - New high accuracy density calibrations for your most demanding density applications.
- For more information request bulletin: BU01R4B4-E-A**

### EJA and EJX Pressure Transmitters

- Digital silicon resonant sensor technology provides improved total accuracy and long term stability.
  - Unique hysteresis free capsule design offering superior overpressure protection.
  - HART®, BRAIN, FOUNDATION fieldbus™ communication capabilities.
- For more information request bulletin: BU01C25A10-01E**



### digitalYEWFLO Vortex Flowmeters



- DSP technology automatically selects the optimum settings and eliminates the need for start-up tuning.
  - Multi variable option provides mass flow calculations for saturated steam and mass flow of liquids.
  - Dual elements, high temperature and high pressure options available.
- For more information request bulletin: BU01F06A01-02E-A**

### AXF Magnetic Flowmeters



- Enhanced dual frequency excitation method with selectable 165 Hz component ensures quicker response and greater stability in high concentration slurries.
  - Newly designed flow converter permits the measurement of fluids with conductivity as low as 1 µS/cm.
  - Diagnostics to detect the build-up of insulating coatings on the electrodes.
- For more information request bulletin: BU01E20A02-01E-A**

### AXR 2-wire Magnetic Flowmeters



- Premium performance from field proven dual frequency excitation with electric noise immunity comparable to 4-wire meters
  - Reduced installation costs by avoiding the extra AC power supply and wiring. Lifetime power savings due to 1-4% of power usage compound to typical 4-wire Magnetic meters
- For more information request bulletin: BU01E30A01-01EN**

### YTA Temperature Transmitters



- Microprocessor-based sensing technology ensures high accuracy and reliability.
  - Sensor input is user-selectable: thermocouple (T/C), RTD, ohm or DC millivolt.
  - Continuous self-diagnostics.
- For more information request bulletin: BU1C50A0-E**

## NETWORK SOLUTIONS

### DXAdvanced Data Acquisition and Display Station



- Built-in standard Ethernet interface.
  - Web server, E-mail messaging, MODBUS TCP client/server, SNMP, DHCP, Ethernet/IP, PROFIBUS-DP and more.
  - On-board data storage and trending for up to 348 channels. FDA regulation 21 CFR Part 11 compliant
  - High-resolution, customizable display.
  - Universal inputs accept any input combination.
- For more information request bulletin: BU04L41B01-01-E**

### UTAdvanced & YS1000 Series Industrial Controllers



- Advanced PID control, ladder sequence control and fuzzy logic.
  - Function block programming.
  - Bright and easy to read color LCD displays with scrolling text.
  - Multiple communications protocols, Ethernet, Modbus, Profibus, CC-Link, Devicenet. 3 Year warranty and NEMA 4 face.
- For more information request bulletin: UTA - 05P01A01-01EN  
YS1700 - BU01B08A01-01E**

### DAWN Wireless

- I/O and Data radios
- Cellular Modems
- 2.4 GHz and 900MHz
- Self healing mesh



### MW100 Data Acquisition Data Logging System



- Universal analog inputs; 10mS at 10 channels; 100mS at 60 channels.
  - Measure and save data at 3 independent intervals with secure, redundant data archiving.
  - Web enabled settings and real-time monitoring.
  - Standard Ethernet/IP, MODBUS TCP, FTP, E-mail messaging and more.
  - Optional PID control, Class I, Div II, Steam and AGA gas calculations.
- For more information request bulletin: BU04M10B01-01E**

### µR10000 & µR20000 Chart Recorders



- Industrial 100 and 180mm intelligent strip chart recorders.
  - Ethernet and serial communications interface options.
  - Large, bright, multi-function data display and user interface.
- For more information request bulletin: BU04P02B01-01E**

## ANALYTICAL

### Liquid Analyzers and Sensors



- pH, conductivity, inductive conductivity, dissolved oxygen, and ORP measurements.
  - HART®, FOUNDATION fieldbus™, PROFIBUS™.
  - On-line sensor diagnostics.
- For more information request bulletin: BU12B6A1-EH**

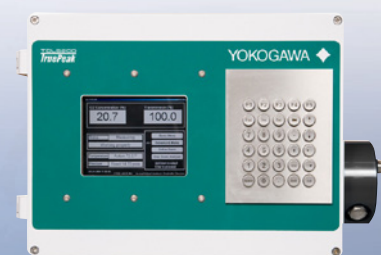
### Model GD402 Gas Density Analyzer and Detector



- Highly responsive.
  - Outstanding, stability and resistance to vibration.
  - Simple, user-friendly interface.
  - General purpose and explosion-proof.
- For more information request bulletin: BU11T03E01-02E-A**

### Model TDLS200 Tunable Diode Laser Spectroscopy Analyzer

- Process gas measurement.
  - In Situ analysis.
  - Interference free.
- For more information request bulletin: BU11Y01B01-E-A**



### Zirconia Oxygen Analyzers and Detectors



- Single point and multi-point analyzers.
  - HART®, FOUNDATION fieldbus™.
  - Long-life, highly reliable Zirconia sensor.
  - Field replaceable probe heater assembly.
  - Remote and integral converters.
- For more information request bulletins: BU11M12D01-01E-A and BU11M12A01-01E**

### Model GC1000 Mark II Process Gas Chromatograph



- TCD, FID and/or FPD detectors.
- Custom column design to fit a wide variety of applications.
- User friendly interface.
- Enhanced maintenance via PC interface.

**For more information request bulletin: BU11B03A03-01E**