

Instrumentation Principles



An Allied Instrumentation Company

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YOKOGAWA ◆
 Co-innovating tomorrow™

Data Acquisition, Recorders and Loop Controllers.
 Flow, Pressure and Temperature Transmitters, pH,
 Conductivity, O₂, Gas Density and DCS. Process
 gas and combustion solutions (GC, TDLS).



MEASUREMENTATION
 A Division of Yokogawa

Analytical system integration that includes turnkey
 solutions for process gas and liquid analysis
 applications.

ThermoFisher
 SCIENTIFIC

Ambient air monitors, Continuous Emission
 Monitoring Systems, Gas Sample Probes,
 Gas Calibrators, Zero Air Systems, FTIR's,
 Process and Laboratory Mass Spectrometers.
 Turnkey system integration, SOLA Flare and
 Total Sulfur Analyzers

SIERRA
 EXPERIENCE OUR PASSION FOR FLOW

Thermal Mass Flow Meters, Vortex Flowmeters,
 Ultrasonic Flow Meters and Calibration systems.

SICK
 Sensor Intelligence.

In-situ gas analysis, Hot / Wet monitoring
 systems, CEMS, TDL, Dust, Opacity and Flow

M&C | TechGroup

Gas sample probes, sample conditioning
 systems, gas filtration, NO_x converters, gas
 chillers and sample pumps.

APPLIED
 ANALYTICS

Absorbance spectroscopy for liquid or gas process
 streams, as well as physical parameters—color,
 calorific value, and purity. Sulfur, Total Sulfur and
 Tailgas monitoring systems.

We measure it. **testo**

Portable Emission Analyzers for Engines,
 Turbines, Boilers, Furnaces and process gas
 monitoring applications.

McCROMETER

Differential Flow, Connected Solutions,
 Electromagnetic Flow Meters, Propeller Flow
 Meters.

O'BRIEN

Electric and Steam Traced tubing bundles,
 instrument enclosures, instrument stands

swan
 ANALYTICAL INSTRUMENTS

High Purity Water Process Analyzers. Feed
 Water, Steam & Condensate Analyzers.
 Potable Water / Pool & Sanitary Cooling Wa-
 ter Analyzers, Waste Water & Effluents.

Sandelius
 www.SANDELIUS.COM

RTD's, Thermocouples, Thermowells & Multipoint
 Bundles

hi hobre
 ANALYZER SOLUTIONS

Fuel Gas & Flare Combustion, Online XRF, Natural
 Gas Quality Analyzer Solutions

Electron Machine
 Corporation

Refractometers, Dissolved Solids, X-Ray
 Thickness Measurements.

K-TEK
 The Leader in Level Detection

Liquids & Bulk Solids Level Solutions—Radar, Ultra-
 sonic, Laser, Capacitance and Magnetostrictive
 Technologies. Magnetic Level Gauges, Point Level
 Switches, Pressure & Temperature Switches.

TYPE K
 DAMPER DRIVES

rotork

Drop-in plate retrofit damper drives, electric actua-
 tors, fluid power actuators, gearbox and valve
 accessories

e|one
 ENVIRONMENT ONE

Generator Gas Analyzer and Controls. Generator
 Overheat Monitoring, Purge Gas Monitors

VAISALA

Humidity, Dewpoint, CO₂, Ammonia. Barometric
 Pressure & Wind. TDL for O₂, Moisture in Oil,
 Natural Gas.

VISHAY BLH Weighing
 Systems

Load Cells, Tension and Weighing Systems.

REOTEMP
 INSTRUMENTS

Temperature & Pressure Gauges, Diaphragm
 Seals, RTD's, T/C's and Thermowells

SIMTRONICS
 Fire & Gas

Flame and gas detectors

DC
detcon inc.

Combustible Gas and Toxic Gas Detection
 systems.

OLDHAM
 Gas Monitoring Solutions

Combustible Gas and Toxic Gas Detection
 systems.

SCOTT
 SAFETY
 A Tyco International Company

Combustible Gas and Toxic Gas Detection
 systems.