

ARCO

Engineering, Inc.

Since 1954

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INSTRUMENTS • CONTROLS • VALVES

PRODUCTS & MARKETS

ARCO Engineering is a distributor of pressure, temperature and liquid level instruments, controls, meters, heaters, heating cable, instrument valves, and safety relief valves. We specialize in products for the process, chemical, power, food, waste water and OEM markets.

IN-HOUSE SERVICES & CERTIFICATIONS

- Application Engineering & Technical Assistance
- NIST Traceable Pressure & Temperature Calibration
- Diaphragm Seal Assembly and Service - Wika Instrument Certified
- Backflow Test Kit Repair & Calibration - Mid-West Instrument Certified

VISIT OUR WEBSITE

- Manufacturer Catalogs
- Products Listed by Industry
- Technical Information (ARCO University)

SIL 2 Certified / SIL 3 Capable
 Safety Transmitters
 Pressure - Differential - Temperature



CLICK TO
 LEARN
 MORE



UNITED ELECTRIC CONTROLS

Threshold Detection & Switching® technology to protect people and valuable equipment.

SINCE 1931



Pressure, Differential Pressure
 and Temperature,
 Switches and Transmitters



Smart Pressure
 Transmitters



"One Series"
 All Solid-State
 Pressure, D.P. or Temperature
 Indicating Switch/Transmitter
 - Fully Adjustable Deadband -
 - Solid State Reliability -



Thermocouples
 & RTD's



SINCE 1920

FAIRCHILD INDUSTRIAL PRODUCTS

Precision pneumatic and electro-pneumatic control devices for
 process, machine tool, robotic and OEM applications.



Pneumatic
 Pressure
 Regulators
 1/4" to 1-1/2"
 20"H2O to 400 psi



Pneumatic
 Volume Boosters
 & Relays



I/P
 Transducers

Manifolds for
 High Density I/P Mounting



Electro-Pneumatic
 Pressure Controllers

Pneumatic
 Filters &
 Lubricators



WIKAI

WIKAI INSTRUMENT

SINCE 1946

World's largest manufacturer of pressure & temperature instruments.



XSEL®
Process Gauge
5/10 Year Warranty



Pressure Gauges



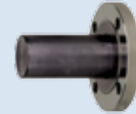
Pressure Transmitters



Submersible
Liquid Level
Transmitters



Diaphragm
Seals



Temperature
Gauges
Thermometers
Thermocouples



AMETEK - U. S. GAUGE

AMETEK
U.S. GAUGE
SINCE 1904

Competitively priced pressure and temperature measurement products.



Pressure Gauges



Temperature Gauges



M&G
Mansfield & Green
Diaphragm Seals

MID-WEST INSTRUMENT

Mid-West
Instrument
SINCE 1958

DIFFERENTIAL PRESSURE



Gauges

Cryogenic
Liquid Level

Switches
& Transmitters



Backflow
Test Kits

Chromalox
PRECISION HEAT AND CONTROL

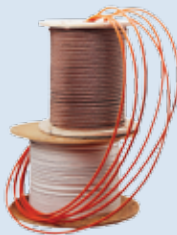
SINCE 1915

CHROMALOX

Heating Cable & Controls - Comfort Heaters



Heat Trace Cable
Thermostats & Controls



- Large Inventory •
- Quick Shipment •



Blowers
Convection Heaters
General Purpose - Hazardous
Heavy Duty - Portable

DELTA

SINCE 1980

DELTA CONTROLS

"Engineered Level Instruments"
for solving each application
with the best available technology.



LEVEL SWITCHES &
TRANSMITTERS
Float - Head Pressure
Ultrasonic - Capacitance
Conductance - Pump Control



PRECISION DIGITAL

SINCE 1974

PRECISION DIGITAL

Simplified information
where and how you want it.



DIGITAL INDICATORS
RATE METERS & TOTALIZERS
SCANNERS & ANNUNCIATORS





SINCE 1947

ANDERSON GREENWOOD

High Performance Instrument Valves



Hand Valves



Multi-Port Block & Bleed Double Block & Bleed



2, 3 & 5-Valve Manifolds



Manifold Mounting Bracket



Compact Primary Isolation & Root Valves



SINCE 1931

DWYER

Broad range of instruments for PRESSURE - TEMPERATURE LEVEL - FLOW

Magnehelic®
Capsuhelic®
Photohelic®



Low Pressure Differential Pressure Gauges & Switches



Flowtect® Flow Switches



SINCE 1916

Smart Pressure Differential Pressure Transmitters

HART® Communications

Many Models Factory Stocked



Pressure Differential Pressure Temperature Switches



Wide Adjustable Deadbands



SINCE 1930

AMETEK - MANSFIELD & GREEN AMETEK - JOFRA

World's leading developer of calibration instruments for temperature, pressure and process signals.



Dry Block Temperature Calibrators



Hydraulic Deadweight Testers



Pneumatic Deadweight Testers



Hand Pumps



Hand Held Pressure Calibrators

Signal Calibrators



SINCE 1985

MERCER

Patented "Auto Seat Technology"® High performance design with extended Soft Seat life.

SAFETY RELIEF VALVES



Spring Operated



Pilot Operated



SINCE 1875

KUNKLE

Safety Relief Valves Metal or Soft Seats

SHORT DELIVERY TIME



**Liquid Level
Gages and Gagecocks**



**Sight Flow Indicators
Sight Windows
FLUIDVISION™**



**Jet Pumps
Pumping, Heating,
Mixing, Evacuating,
Transporting Solids**



**Magnetic Level
Gauges
Switches
Transmitters
MULTIVIEW™**

OTHER MANUFACTURERS



MANUFACTURER LIST

AGCO
Alloy Engineering
Ametek
Ametek Mansfield & Green
Ametek TCI
Ametek U.S. Gauge
Anderson Greenwood
Ametek Jofra
Chemiquip Products
Chromalox
Delta Controls
Dwyer Instruments
Fairchild Industrial Products
Jofra
Kunkle Valve

M&G
Mansfield & Green
Mercer Valve
Mercoid Controls
Mid-West Instrument
Penberthy
Precision Digital
Reotemp
Texas Thermowell
3D Instruments
UE
United Electric Controls
USG
U. S. Gauge
Wika Instrument

PRODUCT LIST

PRESSURE INSTRUMENTS

Calibrators
Diaphragm Seals
Gauges
Switches
Transmitters

**DIFFERENTIAL PRESSURE
INSTRUMENTS**

Gauges
Switches
Transmitters

CALIBRATORS

Signal, Pressure
Temperature

PNEUMATIC CONTROLS

Controllers
Regulators, Relays
Transducers (I/P)
Volume Boosters

FLOW

Sight Flow Indicators & Windows
Switches

**TEMPERATURE
INSTRUMENTS**

Gauges, Switches
Thermocouples & RTD's
Thermometers, Thermowells
Transmitters

HEATING EQUIPMENT

Blowers, Convection Heaters
Forced Air Heaters
Heat Trace & Heating Cable
Thermostats & Controls

DIGITAL METERS

Alarms, Annunciators
Explosion Proof, Panel Mount
Process Meters, Rate Meters
Totalizers

LIQUID LEVEL

Gages & Gagecocks
Magnetic Level Gauges
Capacitance, Float, Ultrasonic

INSTRUMENT VALVES

Block & Bleed Valves
Hand Valves, Gauge Valves
2,3,5-Valve Manifolds
Primary Isolation Valves
Root Valves

SAFETY RELIEF VALVES

Metal or Soft Seats
Pilot Operated
Spring Operated

JET PUMPS

Pump, Heat, Mix or Blend
Transport Solids, Tank Circulation
Automatic Sump Drainer

FITOK

Valves and Fittings

High Quality "Instrument Grade" at Reduced Cost
 In Accordance with ASTM F1387

FITTINGS	VALVES	FILTERS	MANIFOLDS	OTHER
Tube, Flared,	Ball, Needle,	Tee-Type, Bypass,	Air Header,	Condensate Pots,
Pipe, Weld,	Automated Control,	In-Line, All-Welded	Distribution,	Condensate Vessels,
Capillary, Vacuum,	Relief, Metering,	HOSES	Block & Bleed,	Sample Cylinders,
Fusible, Grease,	Plug, Bleed,	Metal Flexible,	Gauge Valves,	Sampling Systems,
Quick Connect,	Excess Flow,	PTFE-Lined,	2-Valve,	Press. Control Panels,
High Purity,	Bellows-Sealed	Thermoplastic,	3-Valve,	Changeover Systems,
Tubing	Purge, Check	Hose Connectors	5-Valve	Regulators



Fittings



Valves



Filters



Hoses and Connectors



Manifolds



Tubing



Condensate Pots and Vessels



Sample Cylinders

JERGUSON®

A PRODUCT OF CLARK-RELIANCE

Liquid Level
Gauges & Valves



Magnetic Level
Gauges, Switches,
Transmitters



JACOBY-TARBOX®

A PRODUCT OF CLARK-RELIANCE

Jet Pumps
Eductors



Sight Flow
Indicators



DRAEGER PERSONAL AND PORTABLE GAS DETECTION

Dräger

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Profit from our experience. The development of our Dräger-Tubes® more than seventy years ago laid the cornerstone for accurate gas detection. Today, thanks to continuous research and development, we now offer more than 250 Dräger-Tubes able to detect over 500 substances. Combined with the Dräger chip measuring system, an electronic form of the tube, Dräger provides you with one of the most accurate and reliable means available for spot concentration measurement.

Multi-Gas Detection Instruments



One of the Smallest Units on the Market
One Unit can Detect 1 to 6 Gasses

Single or Dual Gas Detection Instruments



Disposable (Operates for 2 Years)

-or-

Non-Disposable (Replaceable Battery and Sensor)

Sampling Tubes



Dräger sampling tubes and systems allow identification and measurement of different substances even under difficult conditions. Very complex mixtures of substances or cases in which several similar substances are present at the same time can be measured accurately with Dräger Tubes.

Escape Hoods and Portable Area Monitoring

Dräger Escape Hoods
The high-performance combination filter reliably protects against a wide range of toxic industrial gases, vapors and particles.



Portable Area Monitoring
Measurement of up to
6 Gasses

WIRELESS TOXIC & COMBUSTIBLE GAS DETECTOR



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VANGUARD™ WirelessHART® Gas Detector 5+ Year Battery Life

(Based on 8 second update rate.)

Available with either:

- Non-dispersive infrared (NDIR) **METHANE** sensor (0-100 % LEL)
- Non-dispersive infrared (NDIR) **PROPANE** sensor (0-100 % LEL)
- Electrochemical **HYDROGEN SULFIDE** sensor (0-100 ppm)
- Electrochemical **AMMONIA** sensor (0-100 ppm)
- Electrochemical **CARBON MONOXIDE** sensor (0-500 ppm)

Wireless gas detectors like the Vanguard can augment existing gas detection coverage with minimal financial and labor outlay. The Vanguard can be plugged-and-played anywhere in an existing Wireless HART® mesh and perform its role as a first line of defense for gas monitoring.

WirelessHART® 7.2
Communication

FLEXmount™
Mounting Bracket

FLEXsense™ Sensor
Field Interchangeable



Each Vanguard detector has a WirelessHART® transceiver, an antenna, a display, a long-life power module, a gas sensor, and a signal processor for the gas sensor. Vanguard uses a sensor architecture trademarked "FLEXsense," which allows the sensor to identify its target gas and self-configure to a Vanguard transmitter upon connection.

Pushbutton
Calibration/Bump
Test Access

Heavy Duty Design
Hazardous Location Approvals



LEARN MORE

www.ueonline.com/products/wirelesshart-gas-detector