



Bulletin No. AA-3D
Corporate Overview and
Condensed Product Line Guide

*Instrumentation leaders for over 75 years
through service, quality and innovation.*

- pressure
- air velocity
- flow
- level
- temperature
- process control
- data loggers
- & recorders
- humidity
- & air quality
- test equipment
- valves



COMPANY PROFILE

Our Mission –

*We are committed to
expectations through
innovation*



Since the company was founded in 1931, customers have come to recognize Dwyer Instruments to stand for quality, reliability, and readily available low cost products. As a leading manufacturer in the controls and instrumentation industry, we continue to grow and serve major markets including, but not limited to, HVAC, chemical, food, oil and gas, and pollution control. New applications are discovered daily through a cooperative effort between Dwyer and its customers. It has been these relationships with our customers that allow us to continue to develop market demand products and further our success from leading established brand names such as the Magnehelic® pressure gages, Magnesense® pressure transmitter, Photohelic® switch/gages, Rate Master® flowmeters, and Hi-Flow® valves. In addition to new product



*exceed our customers
quality, speed,
and service.*

Whatever It Takes!



development, Dwyer has added to its success through several acquisitions and has achieved additional market recognition. Respected names such as Mercoïd Controls, Love Controls, W.E. Anderson and Proximity Controls have created new markets and further build on the solid reputation that Dwyer has and continues to sustain. Our ability to successfully diversify demonstrates Dwyer's managed approach to the marketplace. This approach continues to maintain stability of the company, therefore providing a basis for positioning ourselves as a leader in providing knowledgeable, prompt, and courteous customer service. As our customer, prospect, or potential employee, we always want to hear from you. Please feel welcome to contact us anytime.

Email: info@dwyer-inst.com

• Web: www.dwyer-inst.com

DWYER IS SERVICE



Customer Service

Customer Service *Easy, friendly and fast*

Dwyer wants to help you get your job done quickly and easily. Courteous and professional customer service representatives are available via phone or email to process and provide assistance with your order. Dwyer prides itself on being industry leaders in response time.



Technical Support

Technical Support *We provide you with the solutions you need*

Dwyer is here to help you with technical and application support. All of our technical staff are degreed engineers trained to be product and industry experts. We will help you get the right product for your application and support the product once you already have it.



Prompt Shipments

Product Delivery *Prompt shipments*

Dwyer is committed to get you your order quickly. We maintain inventory for most products at our Michigan City, IN USA location. Our dedicated shipping staff packs and ships your order promptly within 24 hours on most in-stock items.



Website

***It's all here for you,
anytime you need it***

We deliver the convenience you want – order information, product information and order placement all on the web. Available at anytime.

Order Information

- Model numbers and pricing are easy to find
- Normal inventory availability displayed

Product Information

- Catalog pages in PDF format – view, print or save to your computer
- Instruction manuals in PDF format – view, print or save to your computer
- Product dimensions viewable through your web browser
- Product specifications viewable through your web browser
- Agency approval certificates – CE, FM, UL, CSA and ATEX
- Application guides
- Frequently asked questions

Order Online

- Online shopping cart
- Email confirmation of order placement and shipment



www.dwyer-inst.com

DWYER IS QUALITY

- Zero Accident Culture
- Cycle Time Reduction
- Teamwork
- Urgency
- Continuous Improvement

The most important assets that Dwyer has are its customers, and the people employed at Dwyer to service its customers. Many employed at Dwyer have been with the company for over 15 years and offer a wealth of experience to draw from. This level of commitment allows for a solid foundation of teamwork, and continuous improvement in every aspect for our operation. We fully realize that it takes more than just a quality product, but a quality organization to effectively service all the needs of our customers.





*We truly believe and live
by our mission statement—*

Whatever It Takes!

- No Blame Environment
- Common Sense
- Pursuit of Excellence
- Responsibility
- Celebrate Success
- Have Fun!



DWYER IS INNOVATION



For over 75 years, Dwyer Instruments, Inc. continues to be a leading innovator in the instruments and controls market. The main reason for this achievement is due to the ongoing commitment towards research and development that allows the company to capitalize market opportunity through unique and creative sensing technologies. As an example, the magnet and helix innovation has allowed Dwyer Instruments, Inc. to create industry standard products such as the Magnehelic® Pressure Gage and the Photohelic® Pressure Gage.



More recently, the development of the Hall effect sensor, and its application with a magnetic field to define linear motion, has been key to the recent success of the Magnesense® Pressure Transmitter. Although these two examples represent only a few of the company's many achievements, Dwyer Instruments, Inc. realizes that to survive its leadership position and to assure customers the best value for now and the future, that innovation must be an endless journey.



PRESSURE

Gages

- Differential Pressure: Lowest pressure ranges in the industry. Elastomer diaphragm and magnetic coupling provide accuracy & reliability.
- Single Pressure: Various sizes, ranges, accuracies and mounting styles.

Manometers

- Digital handheld: For high precision & portability.
- U-Tube: Competitively priced and simple to use.
- Inclined: For high resolution low pressure applications.

Switches

- Differential Pressure: Compact and robust for OEM's and industrial end users.
- Single Pressure: Industrial in general purpose, weatherproof and explosion-proof enclosures for various gases & liquids.

Transmitters

- Differential Pressure: A wide offering for liquids or gases for low and high pressure applications. State of the art sensing technologies provide various accuracies to fit requirements.
- Single Pressure: Compact and rugged for demanding plant environments where temperature and pressure fluctuations are common. General purpose, explosion proof and sanitary connection units offered.



AIR VELOCITY



Anemometers

- Handhelds: Ease of handling and data logging of readings allows measurements to be easily stored and retrieved in various selectable engineering units.
- Transmitters: Duct mount or remote mount with cable. Bright display allows local indication in all plant environments.

Sensors

- Pitot Tubes: A wide array of styles in various lengths for point level velocity measurement or averaging in-line probes.
- Flow Stations: In round, oval or rectangular mounting styles to fit almost any duct. Stations average the entire ducts air flow.
- Orifice Plates: Best suited for sensing flows in process piping.



FLOW

Indicators

- Liquid or gas flows can be read or controlled with optional valve.
- Several ranges with various connections and body materials.

Sight Flow Indicators

- Sight Windows: For looking into tanks or pipes to see flow.
- Flow Indicators: Flow through bodies with windows and moving impellers or flappers to see flow.

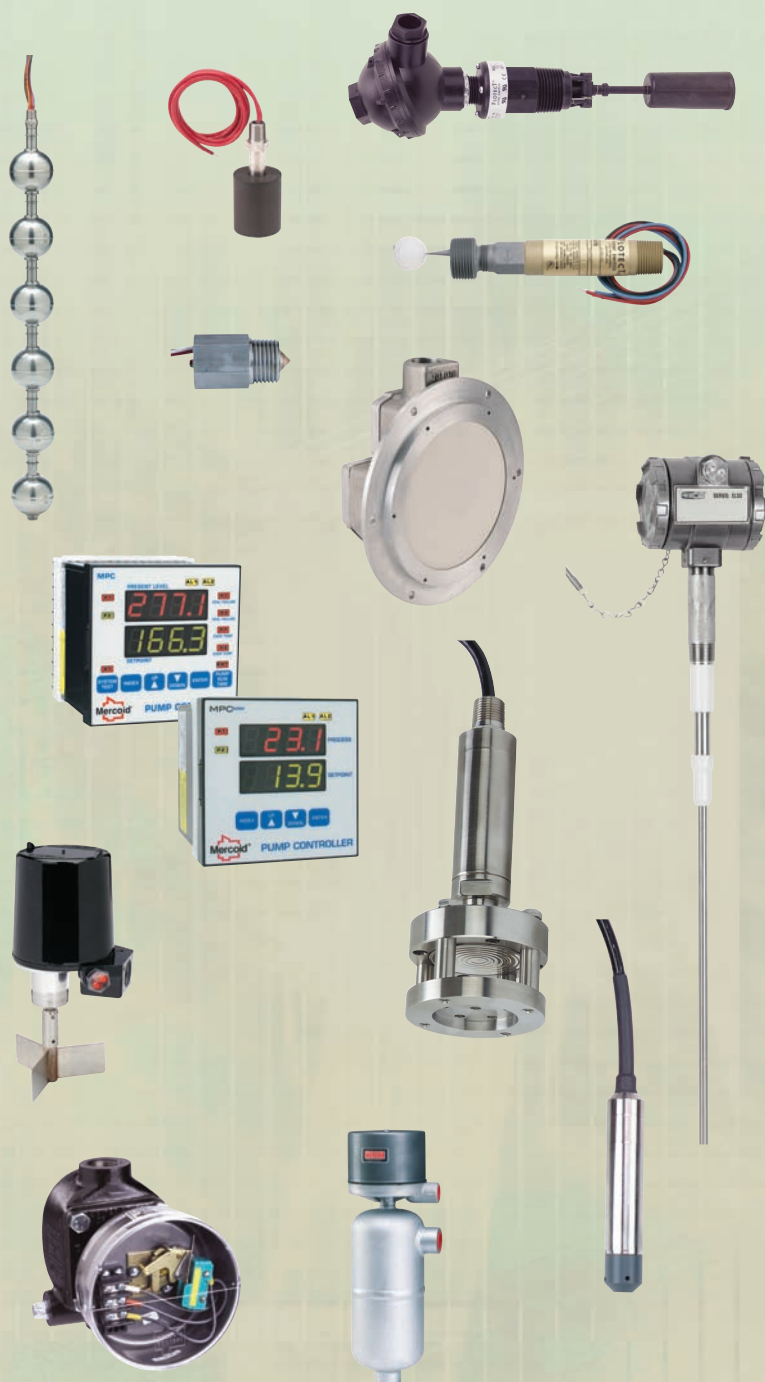
Switches

- Vane: Feature magnetic actuation with leak proof bodies that are weatherproof and explosion-proof. Perfect for large size pipe. Available in many materials.
- Piston/Shuttle: Feature magnetic actuation for leak proof bodies. Perfect for smaller size pipe. Available in many materials including potable water grade.
- Thermal Dispersion: No moving mechanical parts and low pressure drop.
- Indicators/Switches: Paddlewheel type and scaled rotometers with adjustable switches.

Transmitters

- Turbine and Paddle Wheel: Linear outputs for flow rate and flow totalization.
- Indicator/Transmitter: Paddlewheel type and scaled rotometers with linear output.
- Ultrasonic: Flow measurement from outside the pipe with portable or fixed models.





Indicators

- Glass: Windows and tubes for sight level indication.
- Metal: External mount chamber with magnetic flags that change color to indicate level.

Level Switches

- Chamber: External mounting float chambers for high pressure/high temperature applications for boilers, power plants and petrochemical plants.
- Capacitive: No moving parts. Ideal for powders, liquids and bulk solids.
- Displacer: Adjustable displacers that are perfect for pump control.
- Optical: Reflected light technology that has no moving or mechanical parts and is extremely compact.
- Float: Many types and arrangements including top mounting, side mounting and multi-point.
- Paddle: Rotating paddle that senses powder and bulk solids.
- Other Types: Ultrasonic, conductivity, inductive and diaphragm.

Level Transmitters

- Ultrasonic: Non-contact making it ideal for sludge, slurry or corrosives.
- Submersible: Drops into tank and measures head pressure. Includes a non-fouling unit perfect for waste-water applications.
- Other Types: Capacitive, hydrostatic and staggered reed switch.

Pump Controls

- One or two pump control with built-in alternation.
- Models with over temperature protection and seal failure monitoring for submersible pumps.



VALVES and CONTROLS

Valves

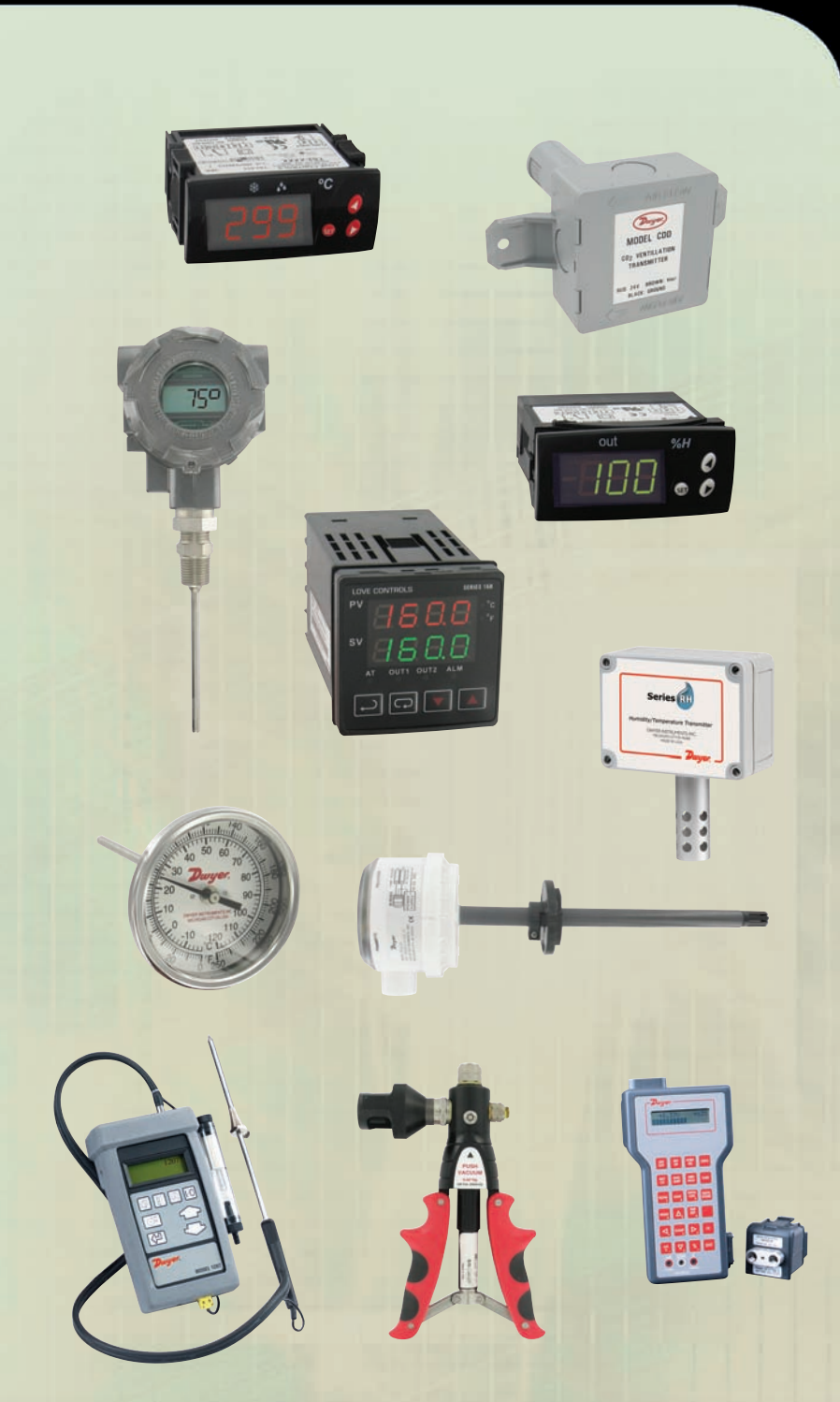
- Globe Control: Two and three-way for industrial steam or water flow control. Pneumatic and electrical actuators.
- Butterfly: Two and three-way hand operated or automated. Includes a special SAE flanged unit for hydraulics.
- Ball: Many styles in stainless steel and brass with hand operators or automated.
- Angle Seat: Many styles in stainless steel and brass with pneumatic actuators.
- Diaphragm/Pulse: Aluminum air pulse valves for dust collectors.
- Other Types: Solenoid, pilot, needle, check, shuttle, zone and self-acting temperature.

Controls

- Current-to-Pressure Transducers: Convert 4 to 20 mA control signal to pneumatic signal.
- Pressure Regulators
- Valve Positioners: Linear, rotary, pneumatic and electro-pneumatic.
- Position Indicators: Visual indication of valve position with positive switches or position transmitter.



TEMPERATURE/HUMIDITY/TEST EQUIPMENT



TEMPERATURE/HUMIDITY/CARBON DIOXIDE

Thermometers

- Dial, digital, infrared and glass
- ### Switches
- Digital indication
 - Bulb & capillary, bi-metal or immersion type
 - Line voltage thermostats

Transmitters

- Monitor temperature or % RH
- Indoor wall mount, duct mount, and outside air
- Monitor carbon dioxide or carbon dioxide and temperature

Sensors

- RTD, thermocouple and humidity

Controllers

- 1/16, 1/4, 1/8 & 1/32 DIN temperature/process controllers

Signal Conditioners

- Various signal conversions and isolation

TEST EQUIPMENT

Leak Detectors

- Measures combustible gases up to 50 ppm
- Pinpoint refrigerant gas leaks

Gas Analyzers

- Measure and calculate O₂, CO, CO₂, net temperature, excess air & stack loss

Data Loggers

- Measure and record temperature, humidity, pressure, differential pressure and processes

Recorders

- Circular and strip charts with single or multiple pins

Calibrators

- Precision calibration for pressure, differential pressure, temperature, current or voltage

Hand Pumps

- Pneumatic and Hydraulic pumps generate calibration pressures

Meters & Testers

- Multimeters, signal generators, pH, conductivity & ground testers



DWYER INSTRUMENTS, INC.

P.O. Box 373
Michigan City, IN 46361-9986

Return Service Requested

FREE!! Latest catalog editions are now available.

Dwyer
Complete
Catalog



Engineering
and
Applications
Handbook



Mercoid
Complete
Catalog



Building
Automation
Systems
Catalog



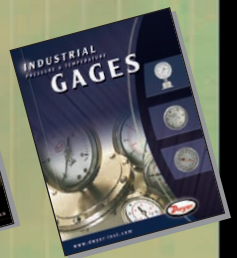
Love
Controls
Catalog



Proximity
Controls
Catalog



Industrial
Gages
Catalog



Just circle any cover(s) above, photocopy this entire page (complete with your name and mailing address) and FAX it to (219) 872-9057 or e-mail us at lit@dwyer-inst.com.

Corporate Headquarters

DWYER INSTRUMENTS, INC.
P.O. Box 373
Michigan City, IN 46361
Phone: 219/879-8000
Fax: 219/872-9057

Internet:
<http://www.dwyer-inst.com>
<http://www.love-controls.com>
e-mail: info@dwyer-inst.com

Branch Office/Stocking Warehouse Location

Houston Office:
Phone: 281/446-1146
Fax: 281/446-0696

Dwyer Instruments, Pty. Ltd.
Unit 1, 11 Waverley Drive
Unanderra, NSW 2526 Australia
Phone: 61 2 4272 2055
Fax: 61 2 4272 4055

Dwyer Instruments Ltd
Unit 16, The Wye Estate, London Road
High Wycombe, Bucks HP11 1LH
United Kingdom
Phone: (+44) (0)1494 461707
Fax: (+44) (0)1494-465102