



TELEDYNE HASTINGS INSTRUMENTS
Everywhere you look™

HOW MAY WE HELP YOU?



VACUUM



FLOW



SUPPORT



MANUFACTURING
EXCELLENCE

APPLICATION
EXPERIENCE



FLOW METERS AND CONTROLLERS

MEETING YOUR REQUIREMENTS



200 SERIES GENERAL PURPOSE

- Mass flow meter & controller
- Very high flow capable ($>15,000$ slm)
- Economical
- Accurate
- Elastomer sealed
- Linear output



300 SERIES HIGH PERFORMANCE

- Mass flow meter & controller
- High flow capable ($>8,000$ slm)
- Fast response
- Highly accurate
- Metal sealed (<25 slm)
- Linear output
- Low pressure drop

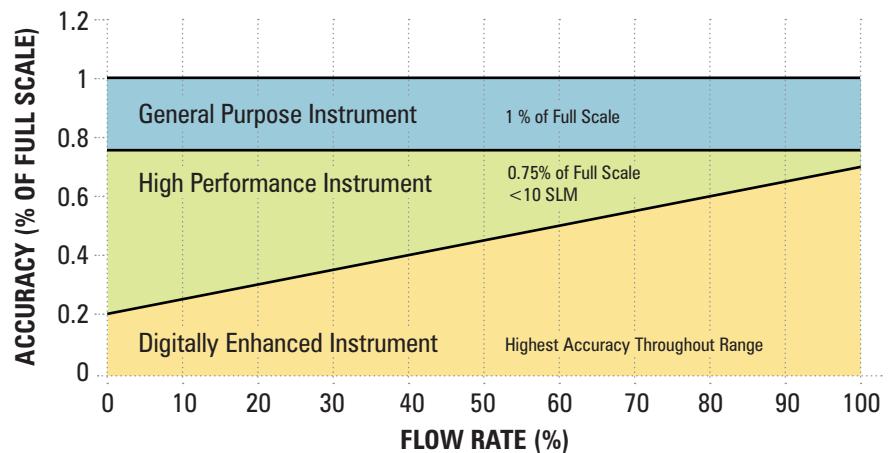


DIGITAL 300 SERIES DIGITALLY ENHANCED

- Mass flow meter & controller
- High flow capable ($>8,000$ slm)
- Highest accuracy
- Metal sealed (<25 slm)
- Linear output
- Digital communications
- Flow totalizing
- Setpoints
- Low pressure drop

WHY MASS FLOW?

Measuring a gas flow with a mass-based measurement provides accuracy, repeatability, and stability. It is insensitive to line pressure; gas conversions are simple and direct. Among the available mass flow instruments, those with on-board digital calibration records and auto-correction achieve the best performance.



Teledyne Hastings Instruments contributes significant process efficiencies to its Operational Excellence program through lean manufacturing and lean office implementations.



READOUTS, POWER SUPPLIES & ACCESSORIES

DESIGNED TO MAXIMIZE PERFORMANCE AND
EXTEND CAPABILITY

THCD-100 SINGLE-CHANNEL

Compact, economical, and convenient, while delivering sophisticated performance and features--the ideal choice for operating a single flow or pressure instrument.

Power supply, flow set point command, alarm trip points, zeroing capability, and RS-232 Communication.



POWERPOD-400 MULTI-CHANNEL

The ability to operate up to four instruments, either independently or in ratio control mode, and its advanced functions make this product far more than just a power supply and display.

Power supply, flow set point command, ratio control, totalizing, gas type selection, digital filtering, alarm trip points, RS-232 or RS-485 digital communication.



INTERFACE SOFTWARE/SUPPORT

Intuitive virtual interface (VI) tools and concise software support documentation mean you get up and running quickly.

*Configure digital instruments and readouts, operate and troubleshoot equipment, complementary and downloadable.**



ACCESSORIES

Get the most out of your product with accessories designed for your application.

Adaptors, calibrated reference tubes, special cabling, and isolation valves for installing and operating vacuum and flow instruments.



SPECIAL PRODUCTS

We work with you to customize products to meet your requirements.

Having provided a variety of modified or application-specific products for over fifty years, chances are good that we may have already designed a special product for what you need. Call us to discuss your requirements.



*LabVIEW™ is a trademark of National Instruments. Teledyne Hastings Instruments is not affiliated with, endorsed by, or sponsored by National Instruments.

APPLICATIONS EXPERIENCE

IT MAY NOT BE ON THE PACKING LIST, BUT IT'S
DELIVERED WITH EVERY PRODUCT

Teledyne Hastings Instruments has an extensive track record for providing specialized and application-tailored products to research and industry. Throughout our history of solving problems we've learned what works; and we're eager to share.

Leak detection

Thermal spray coating

Air sampling and monitoring

HVAC charging

Transformer oil purification

Nuclear fuel processing

Photovoltaic processing

Pharmaceuticals

Vacuum furnaces

Flow ratio control (gas blending)

Semiconductor processing

Loadlock control

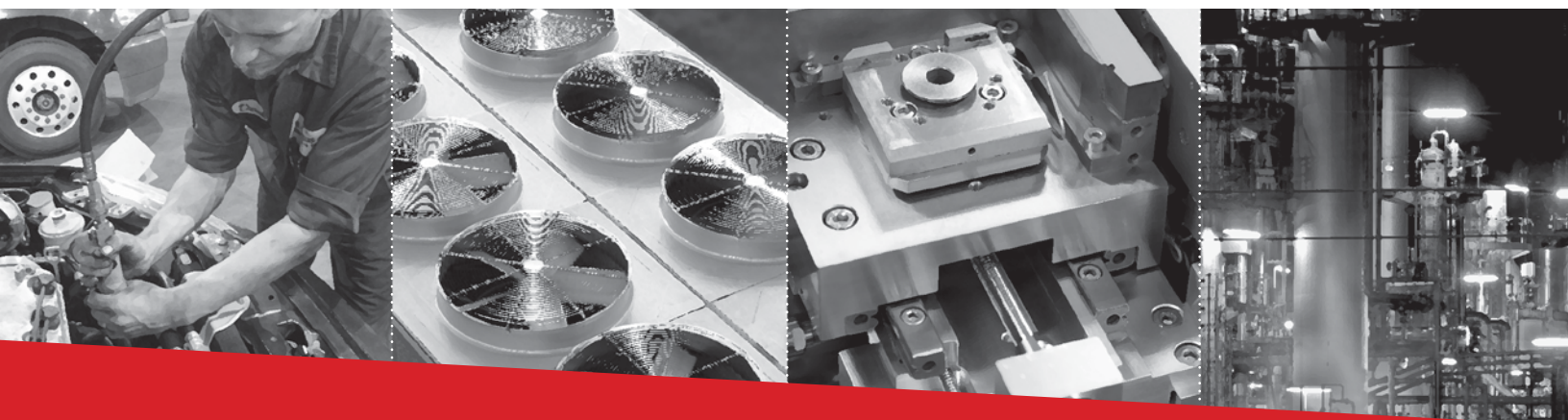
Freeze Drying

Vacuum jacket monitoring

Automotive Testing

Plasma coating

Teledyne Hastings Instruments meets your measurement and control needs for vacuum and gas flow. We are focused on designing, manufacturing, and customizing products to suit application requirements. If an application requires measuring pressure from ultrahigh vacuum to atmospheric pressure; measuring flow from less than 1 sccm to as much as 15,000 slm; or doing both with a high level of precision and control, our products and application expertise provide the solution.



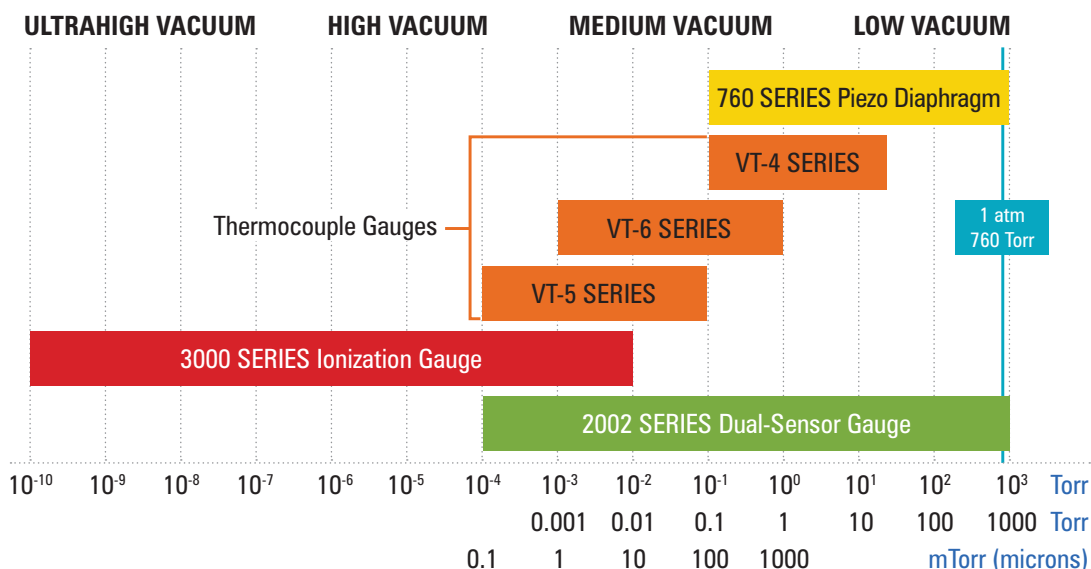
HOW MAY WE HELP YOU?

While other companies hide behind email and computerized phone systems, we distinguish ourselves by providing personal, polite, and responsive service.

For detailed information on any of Teledyne Hastings Instruments products and capabilities call us at 757.723.6531 (800.950.2468 U.S.) or go to teledyne-hi.com.

VACUUM INSTRUMENTS

WE HAVE IT COVERED



3000 SERIES IONIZATION GAUGE

Miniature hot cathode ionization gauge with on-board controls and display.

Compact and convenient, dual filaments, settable trip-points, remote operation, designed for stability and reliability.

2002 SERIES WIDE-RANGE

Measuring high vacuum to above atmospheric pressure with one compact gauge.

Compact, fast response, high overpressure (150 psig), analog or digital output.

VT SERIES THERMOCOUPLE (TC) GAUGES

The industry standard for cost-effective vacuum gauges.

Broadest selection available: TC tubes, compatible electronics, and accessories.

760 SERIES DIAPHRAGM SENSOR

Absolute accuracy, independent of gas type due to its stainless steel diaphragm.

Accurate within 0.25% of Full Scale, 316 SS wetted materials, gas type independent, fast response, linear output.



From ultra-high vacuum to above atmospheric pressure, we have it covered. Our vacuum products are based on proven sensor technologies and manufacturing processes. We control the manufacturing in-house to provide consistent quality, reliability, and delivery.



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