

GE Sensing

Features

- Pressure, temperature and electrical
- Lightweight and rugged battery powered design
- High performance, simple-to-use
- Start up, test, calibration and trouble shooting
- Quality Assurance (QA) compliant calibration software

Portable Calibrators Druck Product Guide

Portable Calibrators are Druck products. Druck has joined other GE high-technology sensing businesses under a new name—GE Industrial, Sensing.



GE Sensing

Total Capability for a World of Pressure

GE specializes in the design and manufacture of precision calibrators and pressure sensors for a wide range of applications.

The pressure calibrators benefit from utilizing our own high performance silicon sensors. GE has one of the most comprehensive and technologically advanced silicon processing facilities. This ensures consistently high quality, reliability and performance.

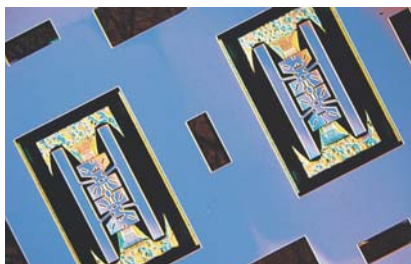
The wide range of portable pressure, temperature and electrical calibrators set new standards worldwide. Available in standard or intrinsically safe formats they are compact, rugged, ergonomically designed and offer advanced yet practical features that simplify precision calibration in the field.

Features include built-in pressure/vacuum generation, high accuracy cold junction compensation, task oriented dual displays and data storage, complemented by menu-driven operation. PC based calibration management software is available to provide a fully integrated system.

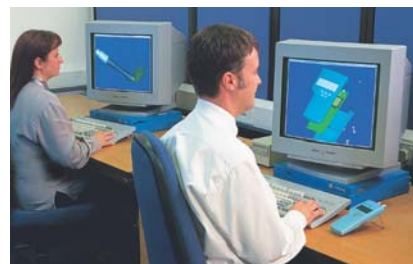
From a simple 4 to 20 mA loop tester to a powerful multi-function documenting calibrator, GE has a solution for industrial field test applications.



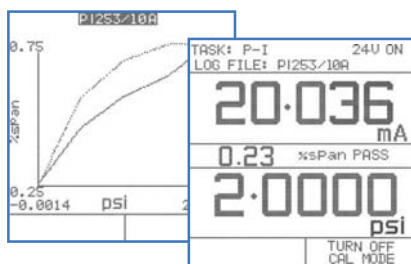
Some Portable Calibration Features



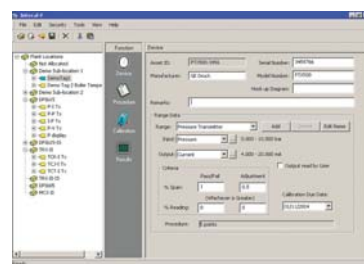
Precision micro-machined silicon sensors



Ergonomic computer assisted design



Clear, task oriented LCD graphic displays



PC based calibration management software

GE Sensing

To address a wide range of applications and markets, we have four product marketing divisions. These groups are pressure sensors, portable calibrators, primary and secondary standards and aviation ground support equipment.

In addition to the range of portable calibrators, some products from the other divisions are shown.



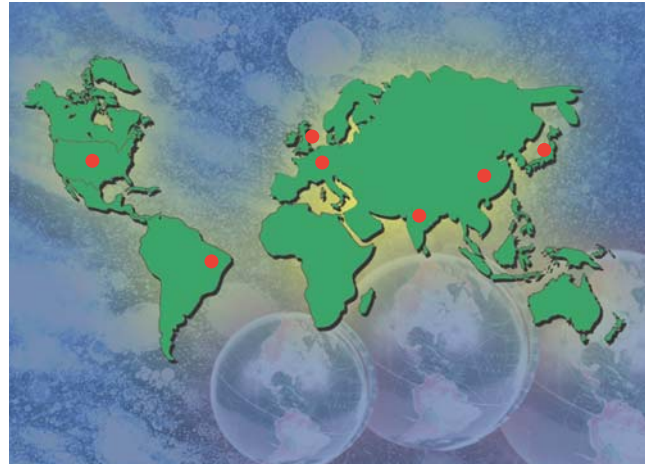
Pressure Sensor Division

An extensive range of transducers and transmitters, available in standard or customized designs to suit individual user applications.



Primary and Secondary Standards Division

A wide range of calibration standards are available, including deadweight testers, electronic pressure controllers and pressure indicators.



GE Druck Companies



Aviation Ground Support Equipment Division

A wide range of advanced air data test sets, aeronautical indicators and primary standards are available for flightline and laboratory applications.

GE Sensing

Pressure Calibrators

To maintain and calibrate today's high accuracy and smart instrumentation, GE offers the most precise field calibrators for process applications.

Unplanned process downtime can be reduced as pressure and electrical sensors and transmitters are verified in-situ.

The high precision capability means control instrumentation can perform to closer tolerances, increasing both quality and productivity.

Excellent long-term stability ensures a guaranteed level of accuracy and a low cost of ownership.

- Pressure accuracy to 0.025% of reading
- mA accuracy to 0.005% of reading
- Built-in pressure/vacuum generation
- ISO 9000 systems compatible



DPI 603

Built-in pressure/vacuum generation, fine volume control and loop supply make this calibrator ideal for pressure transmitter testing.

- Standard ranges to 300 psi (20 bar)
- Accuracy to 0.075% full scale (FS)
- 24 V loop power excitation
- Dual display: pressure, mA and V



DPI 320 and DPI 330 Series

High pressure portable calibrators designed to make testing and calibration of pressure instruments both quick and simple. Available in both standard and fully documenting versions.

- Pneumatic models to 3000 psi (200 bar)
- Hydraulic models to 10,000 psi (700 bar)
- High accuracy 0.025% FS
- Dual channel readout; pressure and electrical
- Built-in pressure sources

Documenting



DPI 610/615 Series

Flexible, simple to operate calibrator. Selectable task menu enables operating modes, such as pressure transmitter or switch test to be configured at the touch of a button.

- Pressure ranges VAC to 10,000 psi (700 bar)
- Draft ranges from 1 inH₂O (2.5 mbar)
- Accuracy 0.025% FS
- Field error calculation and pass/fail report
- Multi-rangeable
- Intrinsically safe version available

Documenting



DPI 605 Series

Two auto-ranging pressure sensors provide unsurpassed accuracy. Programmable safety limits protect the device under test.

- Ranges from VAC to 10,000 psi (700 bar)
- Accuracy 0.025% of reading
- Pressure and vacuum generation
- Pt 100 temperature probe input
- Barometric reference

Documenting

GE Sensing

Temperature and Multi-Function Calibrators

Environmental and regulatory requirements are an integral part of modern manufacturing processes and quality compliance is an important aspect that needs to be considered and implemented.

This range of temperature and multi-function calibrators make it easier for test and maintenance personnel to comply with all necessary requirements.

Quality compliant records are easily achieved and at the same time errors associated with manual documentation are eliminated.

- Compact, rugged and self-contained
- Download procedures, upload results
- Identifies calibration errors in the field
- User ID, tag and serial numbers recorded
- Reduces maintenance costs



DPI 800 Series/Temperature
A variety of handheld instruments for temperature measurements and calibrations.

- RTD indicators with loop calibrator option
- Thermocouple indicator with loop calibrator option
- Plug/play connection for IDOS pressure sensors
- Compact, simple-to-use, easy-to-carry



TRX II
A rugged and reliable multi-function calibrator with documenting capabilities in a small lightweight case.

- Simulates and reads RTDs and thermocouples
- Simulates and reads millivolts, volts, mA, ohms and frequency
- Measures pressure -14 to 10,000 psi (-1 to 700 bar)

Documenting



MCX II
90 input/output configurations for pressure, temperature, electrical and frequency in a single multi-function precision calibrator.

- Fully automatic operation
- PCMCIA memory card
- HART® module for smart transmitters
- Replaces many standard test instruments

MCX II Pressure Module
A plug-in option for pressure capability with accuracy to 0.05% of reading.

Documenting



DBC Series
Two models cover temperatures from -45°C (below ambient) to 650°C. Available as temperature source or calibration versions.

- Fast heating and cooling
- Ramping, stepping and preset values
- Loop power for TX calibration
- RTD, T/C, switch and TX testing

GE Sensing

Test Tools

Decreasing staff levels and increasing workloads mean everyday tasks, such as routine maintenance, troubleshooting, plant commissioning and calibration need to be simplified.

Our range of electrical testers and pressure indicators are lightweight, easy-to-use and essential tools for every maintenance engineer.

These widely proven hand-held instruments are rugged and compact for reliable operation in the most remote and hostile industrial environments.

- Cost-effective range of products
- Pressure/leak, electrical and frequency
- Simplified menu-driven operation
- Closed case recalibration
- Compact, rugged and self-contained



UPS Series

A series of smart loop testers that simplify everyday maintenance tasks. Easy-to-use menu operation selects linear, flow or valve stroke options.

- Auto step/ramp
- Powers/reads two-wire TX
- Sources/reads 0/4 to 24 mA
- Displays mA or % span
- 60 VDC measurement and continuity
- HART compatible



DPI 705 Series

Pressure/leak indicators with gauge, absolute or differential pressure ranges and internal or remote sensors.

- 0.1% FS accuracy
- Ranges up to 10,000 psi (700 bar)
- 16 pressure units
- Intrinsically safe version



DPI 800 Series/Pressure

Rugged, highly reliable and extremely accurate handheld pressure sensing instruments.

- Ranges to 10,000 psi (700 bar)
- Single or dual range configurations
- Accuracies to 0.01% FS
- Gauge, absolute and differential pressure versions



DPI 740 Series

A handheld precision barometer for workshop and on-site ambient pressure measurement.

- Ranges to 100 inHg (3.5 bar absolute)
- Accuracy to ± 0.004 inHg (0.15 mbar)
- Stability to $\pm 0.01\%$ per year
- RS232 communications

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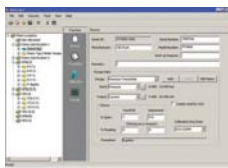
Software

Calibrating field-based instrumentation to quality standards such as ISO 9000 creates additional paperwork and increases both financial and resource burdens.

The cost-effective solution is calibration software that simplifies quality compliance and maintains optimum plant processing efficiency.

We offer a choice of calibration management software compatible with an extensive range of GE and other types of field and workshop calibrators.

- Quick-to-install, easy-to-learn and use
- ISO 9000 and similar QA compliance
- Compatible with Druck and other calibrators
- Windows® based calibration software



Intecal for Industry (i4i)

Adapted for the process industry especially where portable calibrators are used to validate transmitters, sensors, gauges, etc. in the field. Intecal for Industry (i4i) will help maintain records of process instrumentation allowing you to manage your plant more effectively.

- Windows Explorer® format
- Stores device information, calibration procedures and results
- Supports a wide selection of portable calibrations
- Simple and easy-to-use

Documenting

Hand Pumps

A comprehensive selection of hand pumps designed for every application

- Hydraulic for pressures up to 15,000 psi (1000 bar)
- Pneumatic for vacuum thru 600 psi (40 bar)
- Low pressure for vacuum thru 45 psi (3000 mbar)
- Four-in-one model for vacuum thru 10,000 psi (700 bar), hydraulic and pneumatic operation in one pump



DPI 104

Microprocessor controlled digital pressure gauge that combines precision and functionality in an easy-to-read, compact and robust package.

- 0.05% FS accuracy
- Ranges to 20,000 psi (1400 bar)
- 11 selectable pressure units
- 0 to 5 V analog output



Accessory Dirt Moisture Traps

The IDT 600 Series are simple yet effective barriers against dirt or moisture designed for pneumatic calibrators.

- Easy-to-install
- Low maintenance
- Two versions, 500 and 3000 psi (35 and 200 bar)
- Prevents cross-contamination

GE Sensing

Quality Assured Service and Support

GE is committed to producing the highest quality products. This commitment extends from initial concept and development through to manufacturing, testing and dispatch.

GE is approved to the highest international quality standards, including ISO 9001, FAA and many companies who apply their own quality assurance requirements. GE provides traceability to international standards for pressure, electrical and temperature measurements.

Operating through a global network of subsidiaries and exclusive agents, GE maintains the highest standards of customer service. A fully integrated computer system ensures efficient customer support from sales inquiry to field service. Dedicated sales, product support, order processing and service teams use quality approved procedures to ensure fast response with flexibility of operation.

This successful philosophy is continually proven through the efficient delivery of standard catalog products, custom products for specific applications and even the management of large complex program contracts.



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