

GE  
Measurement & Control Solutions

# DPI 620

The new standard in portable calibration



**HART**  
COMMUNICATION PROTOCOL



# The future of calibration— in your hand

The new DPI 620 is the most flexible portable calibration system ever designed. It offers an advanced multifunction calibrator with world-class pressure measurement and generation, HART® communicator, PDA and wireless Internet connectivity—all in a single modular hand-held unit.

## Innovative, compact design

The innovative design consists of just three main components, replacing a cumbersome range of equipment you might previously have needed.



### Calibrator and HART communicator for mA, mV, V, ohms, frequency, RTDs and thermocouples

The ultra-compact DPI 620 calibrator and HART communicator provides simultaneous measurement and source capabilities, with a complete HART Device Description Library.



### Interchangeable pressure modules

Interchangeable pressure modules that screw in by hand (no need for tools, cables, tape or plugs) provide portable dual channel pressure measurement from 25 mbar (10 inH<sub>2</sub>O) up to 1000 bar (15,000 psi) hydraulic.

### Wireless connection and PDA

Link to the Internet and remote networks to access information and transfer data.



DPI 620IS—approved  
for hazardous areas

## So easy to use

The photo quality colour touch screen can be operated by a gloved hand. The display can show active readings with colour used to note important information—for example, red for critical or failed values and green for pass or within tolerance values.

## Outstanding accuracy and efficiency

The DPI 620 works at an accuracy of 0.0025%rdg + 0.002%FS. The memory can store a complete plant database, including tags, devices and procedures and hold a Device Description Library for all your HART devices. Wherever your calibrating team is working, they'll always have everything they need to get the job done.

## Rugged design with ATEX/IECEx approved option

The standard DPI 620 is a rugged design with IP65 rating. A full ATEX/IECEx approved version is also available for use in hazardous areas.



## Saving time and money

A single DPI 620 can replace lots of expensive, bulky equipment, from laptops and pumps to stand-alone pressure generators. Pressure modules can be added at a fraction of the cost of a new instrument. Intuitive menus, HART communications and WiFi connectivity simplify the operational process. Training is straightforward and the DPI 620 is fully future-proofed with free online upgrades.

It all adds up to smarter, faster and more effective calibration at a fraction of the cost of traditional calibration methods.

# DPI 620

## Next generation of portable test and calibration

- Multifunctional integrated test and calibration
- Measure, source and simulate mA, mV, V, ohms, frequency, RTDs and thermocouples
- Smaller—half the size of some other portables
- Lighter—just 575 g (1.3 lb)
- Most accurate portable calibrator available, from 0.0025%rdg + 0.002%FS
- WiFi connectivity
- Direct input with Windows CE operating system and other software
- Seamless USB interface to 4Sight calibration software

### Screen

- Colour screen for instant clarity
- Touch screen works with gloves
- Intuitive interface, no scrolling
- View six active reading windows at any one time. Each window shows electrical, pressure and temperature, USB and wireless connections.
- 24 V loop power supply to energize devices and control loops. Stabilized DC voltage supply for ratiometric transducers.

### Pressure generator base

- Built-in pressure pump
- Choose from:
  - 95% vacuum to 20 bar (300 psi) pneumatic
  - 95% vacuum to 100 bar (1500 psi) pneumatic
  - 0 to 1000 bar (15,000 psi) hydraulic



### Pressure modules

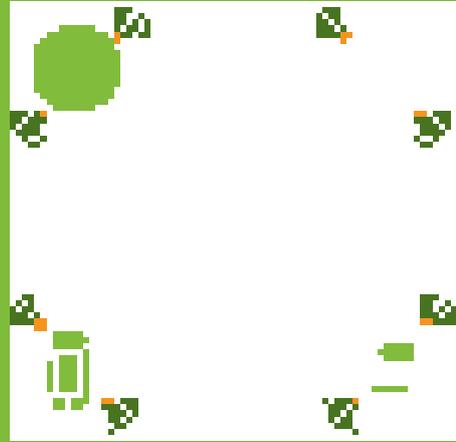
- Interchangeable pressure modules for cost effective, flexible plant-wide use
- Two independent pressure channels—modules screw fit—no tools required
- Re-rangeable at a fraction of the cost of a new instrument

### DPI 620

- Incredible range from 25 mbar (10 inH<sub>2</sub>O) up to 1000 bar (15,000 psi)
- Built-in HART communicator
- IP65 rating with ATEX/IECEx version available
- Full HART Device Description Library
- Ability to generate new work orders and calibration reports
- Wireless, microSD card or USB synchronizing with master database
- Integral power supply for HART and loops
- Automated calibration procedure
- 4GB memory for complete plant database, tags, devices and procedures
- Full Windows CE operating system functionality

# 4Sight

Server-based calibration management software



Software • Mobile Solutions  
Workshop Solutions • Global Services

**GE's new 4Sight calibration and maintenance software gives the DPI 620 even greater capability. It provides enterprise-wide visibility and management control of all your calibration and maintenance tasks—delivering substantial reduction in running costs.**

- 'Software as a Service' (SaaS) system—fully scalable, globally accessible and completely future-proof
- Installed on your central servers or hosted by GE
- Any number of authorised users, without PC software installation
- Streamlines the maintenance workflow—improves data integrity, schedules work activity, automates calibration and maintenance, and corrects deviations
- Audit-ready data is compliant with FDA and GAMP quality systems
- Full 360 management reporting tools
- Interfaces with most CMMS systems

4Sight is simple to use and can be tailored to precise requirements across field test, laboratory and workshop calibration.



**Recalibrate the way you work today.**

To view a video demo, attend a webinar or request more information

visit [www.ge-mcs.com/dpi620](http://www.ge-mcs.com/dpi620)  
email [4.sight@ge.com](mailto:4.sight@ge.com)

# Intelligent calibration from GE

The DPI 620 is part of the intelligent calibration portfolio from GE, which provides innovative calibration solutions at every level of your business to drive efficiency, introduce simplicity and reduce costs.

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## 4Sight calibration management



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## Interactive portable calibration



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## Portable test and calibration



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## Laboratory and workshop



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**GE imagination at work**

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