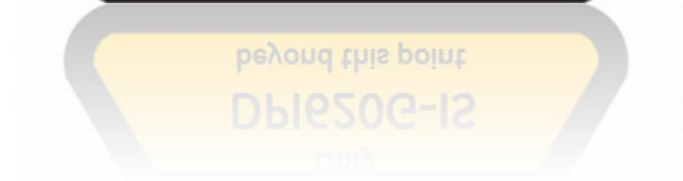# Druck DPI 620 Genii IS
New to the Druck Elite range

8th June 2016

Imagination at work.

What is the Druck DPI620G-IS?

The Druck DPI620 Genii IS is an Intrinsically Safe version of the DPI620 Genii Multifunction Calibrator and Field Communicator

- ATEX and IECEx approvals for use in hazardous zones 1 and 2 where potentially explosive gas/air mixtures can occur.

What is the Druck DPI620G-IS?

The DPI620G-IS has been designed for the commissioning, routine maintenance and calibration of process instrumentation located within hazardous areas

- Modular, multifunctional system for electrical, frequency, temperature and pressure based instrumentation

- Embedded Field Communicators for configuring and calibrating HART, Foundation Fieldbus and Profibus devices

- Laboratory accuracy – 16 times better than a typical multi-meter

- Robust and weather proof– drop and display impact tested, ingress protected to IP 55

- Touch / swipe display easy to use, quick to set up

- Advanced application software, with 8 GB of memory, automates test procedures, stores data from field devices, calculates calibration errors, reports PASS/FAIL status

- Windows Desktop and file readers for images, Excel, Word and PDF

What are the benefits of using DPI620G-IS?

One SAFE device for use in hazardous areas; to test and calibrate instruments and control loops; to configure and adjust HART, Fieldbus and Profibus devices; to automate calibration procedures; to have available drawings, procedures, pictures, manuals and to document maintenance activity.

- Safety in hazardous areas

- Simple to use across a multitude of parameters and applications

- Simplified regulatory compliance and quality audits

- Save time and reduce errors by automating test, calibration and maintenance activities

- Ensure plant and processes are running at optimum performance

- Avoid unplanned maintenance (breakdowns)

- Replace multiple test instruments to reduce equipment inventory and cost of ownership

What is the advantage of a modular system?

A unique modular approach to hardware and software allows flexible field configuration to application requirements, system expansion over time and significant reductions to test equipment inventory and associated cost of ownership.

- Multifunction hand held "calibration laboratory" for mA, V, ohms, Hz, Pulses, RTDs, T/Cs

- Modular pressure system (only when you need it) provides fully integrated pressure calibration with highest accuracy measurement and highly efficient generation from vacuum to 1000 bar / 15000 psi

- HART, Foundation Fieldbus and Profibus options provide fully featured field communication for device configuration, trimming and calibration

Major update to DPI620-IS based on VOC (Voice of Customer)

- Genii interface and touch screen technology with improved daylight readability of display

- Operating temperature increased from -10 to 40°C to -10 to 50 °C.

- Improved battery management

- Fully featured HART communicator

- Foundation Fieldbus and Profibus options

- Backwards compatible with IS pressure bases, modules and module carrier

DPI620

2008

DPI620 IS

2010

DPI620 Genii

2013

Genii Interface and Touch Screen Technology

- Colour display with capacitive touch-screen

- 110 mm (4.3 in) 480 x 800 pixels

- Protected by 2mm toughened glass, impact tested in accordance with BS EN 61010-1:2010 (0.5kg object from 1 meter)

- Improved readability in bright ambient conditions

- Application DASHBOARD gives quick access to major functions

- TASK menu provides "one touch" set up for applications

- FAVOURITES menu for most used tasks
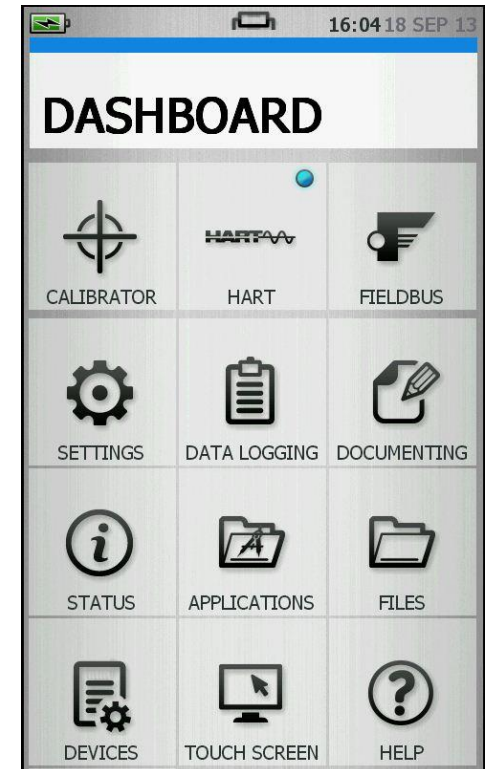
Improved Battery Management

- Easy to detach battery pack – no tools required

- Approved for "hot" swopping in hazardous areas

- Spare battery packs can be carried in hazardous areas

- 6 hour charge cycle provides 7 hours continuous use

- Batteries are charged independently in a safe area via charging station – Genii can remain in active service

- LED charge indicator shows battery condition without the need to connect / turn ON Genii
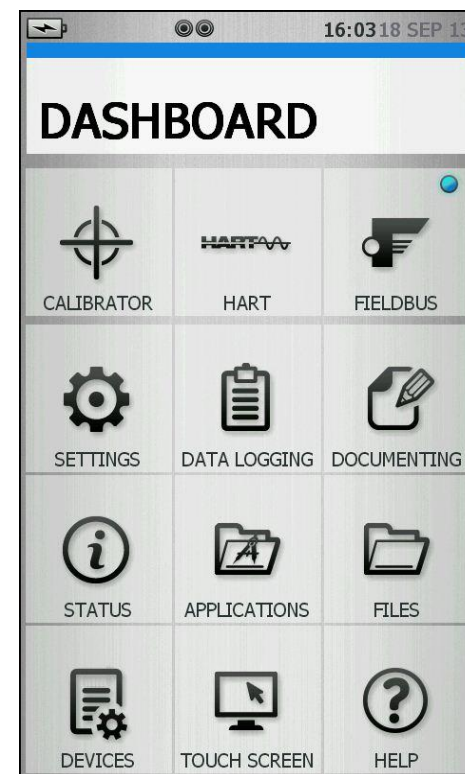
Integral HART Communicator

Key benefits

– Fully featured HART communicator for device configuration, trimming and calibration

– Complete HART device description (DD) library

– Free software and DD updates via simple web download

– Create, edit, clone and store device configurations

– Work off-line with configurations

– Transfer device configurations to your PC

– Measure and source analogue variables without secondary calibration equipment

– Need power during shutdown? Genii IS provides loop power

– Need a 230 ohm resistor – just select the internal resistor from the menu

Integral Foundation Fieldbus and Profibus Communicators

Key benefits

– Fully featured communicators for device configuration, trimming and calibration

– Complete device description (DD) libraries

– Internal power hub

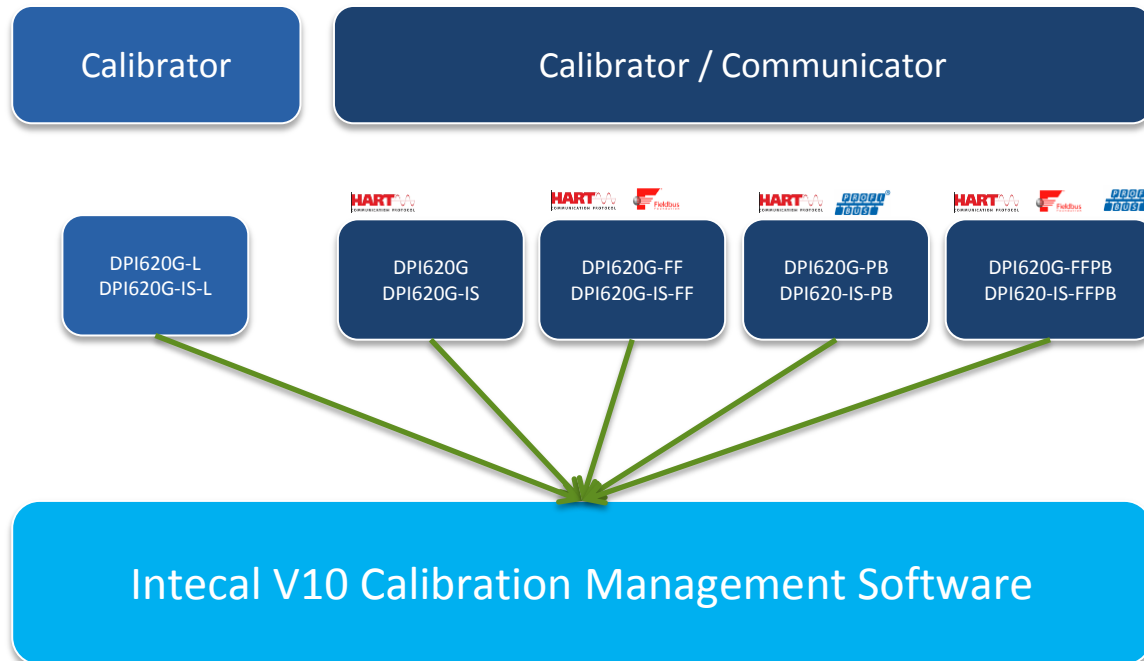– Free software and DD updates via simple web download

Backwards compatible with the DPI 620 IS pressure system

- PM620-IS high accuracy pressure modules with 31 ranges from 25 mbar / 10 inH$_2$0 trough to 1000 bar / 15000 psi

- PV62X-IS pressure generating stations:
  - PV621-IS vacuum to 20 bar / 300 psi (pneumatic)
  - PV622-IS vacuum to 100 bar / 1500 psi (pneumatic)
  - PV623-IS 0 to 1000 bar / 15000 psi (hydraulic)

- MC620-IS pressure module carrier

Five models to choose from

DPI620G-IS   Standard Calibrator and HART Communicator

DPI620G-IS-L   Calibrator without HART communicator

DPI620G-IS-FF   Calibrator with HART and Foundation Fieldbus communicator

DPI620G-IS-PB   Calibrator with HART and Profibus communicator

DPI620G-IS-FFPB   Calibrator with HART, Foundation Fieldbus and Profibus communicator

Calibrator	Calibrator / Communicator

DPI620G-L DPI620G-IS-L	DPI620G DPI620G-IS	DPI620G-FF DPI620G-IS-FF	DPI620G-PB DPI620-IS-PB	DPI620G-FFPB DPI620-IS-FFPB

Intecal V10 Calibration Management Software

Information and support

Specifications, user manuals and software updates – Please visit the product web page at https://www.gemeasurement.com/machine-testing-and-calibration

For technical support, quotations or to contact a customer care assistant – Please contact your local distributor or request support at https://www.gemeasurement.com/contact-us?section=assistance&productid=62306 (you may need to select Measurement & Sensing – Pressure depending on the type of support being requested)