

GE
Sensing

Advanced Modular Calibrator

Combines an advanced multi-function calibrator with world-class pressure measurement and generation.



System Features

- Modular concept provides greater flexibility
- Re-range during use
- Expand over time
- Adapt by application
- Allows significant inventory reductions
- Simplifies user training
- Reduces cost of ownership

Multifunction Calibrator

- Accuracy from 0.0025%rdg + 0.002%FS
- Measure, source and simulate mA, mV, V, ohms, frequency, RTDs and thermocouples
- HART communication
- Easy-to-use, with video quality touch screen
- Hand held PC version with Windows CE
- USB and WiFi IEEE 802.11g connectivity



GE imagination at work

Pressure Measurement

- 25 mbar to 1000 bar / 10 inH2O to 15000 psi
- Accuracy from 0.005%FS
- Fully interchangeable modules with no need for set-up, calibration or tools

Pressure Generation

- Advanced pressure generation
 - 95% vacuum to 20 bar pneumatic
 - 95% vacuum to 100 bar pneumatic
 - 0 to 1000 bar hydraulic
- Stand-alone pressure stations can replace hand pumps and can be used as comparators

Applications

- Instrumentation installation, commissioning, maintenance and calibration
- System measurement and monitoring
- Indicator, recorder and controller testing
- Process loop set up and diagnostics
- Switch, trip and safety system testing

For ...

- Plant and process engineers
- Service companies and site contractors
- Installation and commissioning engineers
- Laboratory technicians



Modularity Brings a Whole New Perspective to Multi-Function Test Instruments and Calibrators

The Advanced Modular Calibration System uses three basic components to provide the multi-functionality to perform duties formerly requiring a wide range of different instruments:

- Its basic component is an ultra-compact, electrical, frequency and temperature calibrator, which provides simultaneous measurement and source capabilities.
- Pressure measurement is provided by interchangeable pressure modules that can be attached to the calibrator by a pressure module carrier.
- If pressure generation is required the calibrator and pressure module can be attached to one of three pressure generation stations, to form a fully-integrated pressure calibrator, of unparalleled performance.

The DPI 620 - A Compact and Powerful Electrical Calibrator

The DP620 electrical calibrator can measure and source mA, mV, V, Ohms, frequency and a variety of RTDs and T/Cs. It provides an isolated 24V loop power supply to energise devices and control loops. A stabilized dc voltage supply is available for ratio metric transducers. A HART digital communicator is provided for setup and calibration of HART devices.

The DPI 620CE - A Multifunction Electrical Calibrator with Windows CE

The Windows CE-driven version of the electrical calibrator provides all the computing power of a conventional hand-held PC or PDA. This means that operators can consult user manuals, training and safety material, datasheets, and installation drawings etc. while in the field or on the plant.

The DPI 620 CE WiFi - A Multifunction Electrical Calibrator with Windows CE and WiFi

The DPI 620 CE version can be further enhanced with wireless IEEE 802.11g communications. For the first time, in a calibrator of this type, it is possible to link to the Internet and remote networks in order to access information and to transfer data. This powerful feature will benefit service technicians who spend extended periods away from head office and for those who need instant access to data, safety information, system drawings, product datasheets etc., while on the move. It will also provide an interface to future system modules when a physical connection is a hindrance.



Pressure Modules

The pressure modules can be used in conjunction with the relevant pneumatic or hydraulic pressure station and the DPI 620 multifunction calibrator to form an integrated pressure calibrator for test and calibration of pressure instruments including transmitters, transducers, switches, gauges, indicators and recorders.

Pressure Stations

There are three pressure generation bases: the PV 621, a pneumatic pressure generator for pressures up to 20 bar; the PV 622, a pneumatic pressure generator for pressures up to 100 bar; and the PV 623, a hydraulic pressure generator for pressures up to 1000 bar.

DPI 620 Multifunction Calibrator Accessories

- Intecal Calibration Software
- 300 V AC measurement probe
- Soft carry case
- Hard transit case
- Spare rechargeable battery
- External battery charging station
- Mains power adaptor
- USB cable
- USB to RS 232 converter
- USB to IDOS converter
- Overpressure protection valves
- Pneumatic hose kits
- Hydraulic hose kits
- Pressure adaptor sets
- Comparator adaptor



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