

## Ordering information

### Systems for safe area use

Please order the following model numbers and part numbers as separate line items.

#### Model DPI620G

Genii advanced modular calibrator and HART communicator.

#### Model DPI620G-FF

Genii advanced modular calibrator and HART/Fieldbus communicator.

#### Model DPI620G-PB

Genii advanced modular calibrator and HART/Profi bus communicator.

#### Model DPI620G-FFPB

Genii advanced modular calibrator and HART/Fieldbus and Profi bus communicator.

#### Model DPI620G-L

Genii advanced modular calibrator retains all the features of model DPI620G, but does not include the HART or Fieldbus communicator.

The DPI620G are supplied with a rechargeable lithium polymer battery P/N IO620-BATTERY, universal mains adaptercharger P/N IO620-PSU, P/N IO620-AC 300 VAC true rms measurement probe, test leads, calibration certificate, and quick reference guide.

**(P/N IO620-BATTERY)** Spare/rechargeable lithium polymer battery (not compatible with DPI620G-IS models)

**(P/N IO620-PSU)** Spare/replacement universal mains adapter

Input voltage 100 to 240 VAC 50/60 Hz  
Mains socket adapters are provided.

#### Model MC620G

Genii pressure module carrier

Supplied with G 1/8 female and 1/8 NPT female adapters (2 of each).

#### Model PM620 "pressure range" and "type"

Pressure module supplied with calibration certificate. Please state model number, pressure range and type gauge or absolute e.g., PM620 20 bar (300 psi) gauge (see page 11 for pressure ranges).



#### Model PV621G

Pneumatic pressure generating station vacuum to 20 bar (300 psi)

#### Model PV622G

Pneumatic pressure generating station vacuum to 100 bar (1,500 psi)

#### Model PV623G

Hydraulic pressure generating station  
0 to 1,000 bar (15,000 psi)

The PV621G, 622G and 623G are supplied with G1/8 female and 1/8 NPT female adapters carry strap, and quick reference guide. In addition, the PV623G includes a plastic refill bottle for hydraulic fluid.



### Accessories for safe area use

**(P/N IO620-AC)** Replacement AC voltage measurement probe

Attaches to the DPI620G, 30 V sockets to provide 300 VAC true rms measurement. Is supplied as standard with all new DPI620G.



#### **(P/N IO620-CASE-1)** Carrying case

Protective carrying case with belt loop, shoulder strap and large detachable pocket for test leads and accessories.



#### **(P/N IO620-CASE-2)** System carrying case

Protective carrying case for system components including the DPI620G, MC620G, PM620 modules, test leads, hose and adapters.



#### **(P/N IO620-CHARGER)** Battery charging station

External battery charging station allows a spare battery to be charged independently of the DPI620G for minimum instrument down time. Power is provided by the standard mains adaptor (P/N IO620-PSU). A complete charge cycle takes approximately 6.5 hours. The charging station can be connected to a USB port to provide a top-up charge (full charge in 13 hours).



**(P/N IO620-USB-PC) USB cable**

Connects the DPI620G or DPI620G-IS to a PC

**(P/N IO620-IDOS-USB)**

IDOS to USB converter

Allows connection of an IDOS universal pressure module to the DPI620G. P/N IO620-USB-PC is also required to connect the converter to the DPI620G USB port. (not compatible with DPI620G-IS)

**(P/N IO620-USB-RS232)**

USB to RS 232 cable

Connects the DPI620G to an RS 232 interface (not compatible with DPI620G-IS)

## Intrinsically safe systems for hazardous area use

**Model DPI620G-IS**

Genii intrinsically safe advanced modular calibrator and HART communicator

**Model DPI620G-IS-FF**

Genii intrinsically safe advanced modular calibrator and HART/Fieldbus communicator

**Model DPI620G-IS-PB**

Genii intrinsically safe advanced modular calibrator and HART/Profibus communicator

**Model DPI620G-IS-FFPB**

Genii intrinsically safe advanced modular calibrator and HART/Foundation Fieldbus and Profibus communicator

**Model DPI620G-IS-L**

Genii intrinsically safe advanced modular calibrator without communicator. Retains all the features of model DPI620G-IS, but does not include the HART or Fieldbus communicator.

The DPI 620G-IS Series are supplied with a rechargeable lithium ion battery P/N IO620G-IS-BATTERY, universal mains adapter N IO620-PSU and charger P/N IO620G-IS-CHARGER, test leads, calibration certificate, and quick reference guide.

**(P/N IO620G-IS-BATTERY)** Spare/replacement rechargeable battery

**(P/N IO620-PSU)** Spare/replacement universal mains adapter

**(P/N IO620G-IS-CHARGER)** Spare/replacement charger (PSU not included)

**Model MC620-IS**

Pressure module carrier for DPI620G-IS series.

Supplied with G 1/8 female and 1/8 NPT female adaptors (2 of each)

**Model PM620-IS “pressure range” and “type”**

Intrinsically safe pressure module supplied with calibration certificate. Please state model number, pressure range and type gauge or absolute e.g., PM620-IS 20 bar (300 psi) gauge (see page 11 for pressure ranges)

**Model PV621-IS**

Intrinsically safe pneumatic pressure generating station vacuum to 20 bar (300 psi)

**Model PV622-IS**

Intrinsically safe pneumatic pressure generating station vacuum to 100 bar (1,500 psi)

**Model PV623-IS**

Intrinsically safe hydraulic pressure generating station 0 to 1,000 bar (15,000 psi)

The PV621-IS, 622-IS and 623-IS are supplied with G1/8 female and 1/8 NPT female adapters carry strap, and quick reference guide. In addition, the PV623-IS includes a plastic refill bottle for hydraulic fluid.



## Accessories for hazardous area use

**(P/N IO620-CASE-2-IS)**

System carrying case

A protective carrying case for system components including the DPI620G-IS, MC620-IS, PM620-IS modules, test leads, hose and adapters.

## PV621, 622, 623 and MC620 Accessories

Note: unless otherwise stated the following accessories are suitable for hazardous area use.

**Dirt moisture trap**

Prevents contamination of the PV621 and 622 pneumatic systems and cross contamination from one device under test to another. The IDT connects directly to the PV621 and 622 pressure port and replicates the quick fit connection for compatibility with the hose and adapter kits.

P/N IO620-IDT621: Maximum working pressure 20 bar (300 psi)

P/N IO620-IDT622: Maximum working pressure 100 bar (1,500 psi)



Pressure relief valve

When fitted to a PV62X pressure station a relief valve protects the PM620 pressure module and the device under test from overpressure.



Relief valve table					
Part number	For use with	Factory setting		Adjustable range	
		bar	psi	bar	psi
IO620-PRV-P1	PV621G PV622G	1	15	0.2 to 1	3 to 15
IO620-PRV-P2	PV621G PV622G	5	100	3 to 7	45 to 100
IO620-PRV-P3	PV621G PV622G	30	435	16 to 32	230 to 460
IO620-PRV-P4	PV622G	60	870	30 to 60	435 to 870
IO620-PRV-P5	PV622G	100	1,500	60 to 100	870 to 1,500
IO620-PRV-P6	PV621G PV622G	3	45	1.1 to 3	16 to 45
IO620-PRV-P7	PV621G PV622G	12	170	6.1 to 12	90 to 170
IO620-PRV-P8	PV621G PV622G	18	260	12.1 to 18	175 to 260
IO620-PRV-H1	PV623G	50	725	10 to 50	145 to 725
IO620-PRV-H2	PV623G	200	3000	50 to 200	725 to 2,900
IO620-PRV-H3	PV623G	400	6000	200 to 400	2,900 to 5,800
IO620-PRV-H4	PV623G	700	10,000	300 to 700	4,350 to 10,000
IO620-PRV-H5	PV623G	1,000	15,000	600 to 1,000	8,700 to 15,000

(P/N IO620-CASE-4) Modular system transit case

A rigid transit case with wheels and an extendable handle. Accommodates two PV62XG pressure stations, DPI620G, MC620G and PM620 modules, with ample storage space for accessories. Size: 736 mm x 554 mm x 267 mm. Weight: 8,5 kg empty.



Pressure station carrying case

A protective carrying case with shoulder strap and large pocket for accessories. Also accommodates the assembled system including the DPI620G and PM620.

P/N IO620-CASE-3: Safe area use

P/N IO620-CASE-3-IS: Hazardous area use



Pneumatic hose

Pneumatic hose terminated with quick fit connectors compatible with the test point adapters supplied with the PV62XG, MC620G and the adapter sets.

Safe area use

P/N IOHOSE-NP1: 1 m/3.28 ft pneumatic hose. Maximum pressure 20 bar/300 psi

P/N IOHOSE-NP2: 2 m/6.56 ft pneumatic hose. Maximum pressure 20 bar/300 psi

P/N IO620-HOSE-PI: 1 m/3.28 ft pneumatic hose. Maximum pressure 400 bar (5,800 psi)

P/N IO620-HOSE-P2: 2 m/6.56 ft pneumatic hose. Maximum pressure 400 bar (5,800 psi)



Hazardous area use

P/N IO620-HOSE-P1-IS: 1 m/3.28 ft pneumatic hose. Maximum pressure 400 bar (5,800 psi)

P/N IO620-HOSE-P2-IS: 2 m/6.56 ft pneumatic hose. Maximum pressure 400 bar (5,800 psi)

Hydraulic hose

A high pressure hydraulic hose rated to 1,000 bar (15,000 psi) and terminated with quick fit connectors compatible with the test point adapters supplied with the PV62XG, MC620G and the adapter sets. The hose is self sealing to avoid leakage when disconnected.



Safe area use

P/N IO620-HOSE-H1: 1 m/3.28 ft hydraulic hose

P/N IO620-HOSE-H2: 2 m/6.56 ft hydraulic hose

Hazardous area use

P/N IO620-HOSE-H1-IS: 1 m/3.28 ft hydraulic hose

P/N IO620-HOSE-H2-IS: 2 m/6.56 ft hydraulic hose

Pressure adapter set

A set of test point adapters to connect the tool less quick fit PV62XG, MC620G and the extension hoses to the device under test.

P/N IO620-BSP: G1/8 male and G¼ male, G¼ female, G3/8 female and G½ female

P/N IO620-NPT: 1/8" male and ¼" male, ¼" female, 3/8" female, and ½" female

P/N IO620-MET: 14 mm and 20 mm female





**(P/N IO620-COMP) Comparator adapter**

Allows the PV62XG pressure station to be used as a comparator. The adapter connects to the stations pressure port and provides two outlet ports for making gauge comparisons. Compatible with the test point adapters supplied with the PV62XG and the adapter sets.



**(P/N IO620-BLANK) Blanking plug**

Allows the PV621G and 622G to be used as pressure generators independently of the DPI620G and PM620 by blanking the PV62XG pressure module port. Not required for the PV623G as the port is self-sealing.



**(P/N IO620-104 ADAPT) DPI 104 gauge adaptor**

Allows a DPI 104 digital pressure gauge to be connected to the PV62XG pressure module port in place of DPI620G and PM620 to provide a simple low cost pressure calibrator.

