



## Druck PM 620 Series Interchangeable Pressure Modules for the DPI 620

- Fully interchangeable with no need for set-up or calibration
- Simple screw fit – no tools required
- Ranges from 25 mbar - 1000 bar (10 inH2O - 15000 psi)
- Accuracy from 0.005% FS
- For use with the [DPI 620 Advanced Modular Calibration System](#)



The PM 620 is the latest development in digital output sensor technology incorporating a number of key innovations - allow pressure re-ranging of compatible equipment. A simple screw fit makes both the pressure and electrical connections without the need for tools, sealing tape, cables or plugs and digital characterization allows interchangeability without set-up or calibration. The modules can be changed in a few seconds to re-range an instrument at a fraction of the cost of a new one. The pressure modules can be used in conjunction with the relevant pneumatic or hydraulic pressure station and the DPI 620 multifunction calibrator - form an integrated pressure calibrator for test and calibration of pressure instruments including transmitters, transducers, switches, gauges, indicators and recorders. Alternatively, the modules can be combined with the pressure station by a module carrier, which adds a dual channel pressure measurement capability that can be re-ranged in seconds.

Pressure ranges are available from 25 mbar - 1000 bar (10 inH2O - 15000 psi) with a total measurement uncertainty, including operation over 0 - 50o C (32 - 122°F) for one year.

Specifications						
Gauge Ranges (referenced - atmosphere)						
Model	Bar	Psi	Compatible Media types	NLH&R 20 ±2°C (68 ± 4°F)		NLH&R 0 ± 50°C (32 ± 122°F)
				For 24 hrs (%FS)	For 24 hrs (%FS)	For 1 Year (%FS)
PM 620 008G	±0.025	±10 inH2O	Non-corrosive gas/fluid	0.090	0.090	0.100
PM 620 01G	±0.07	±1		0.025	0.030	0.047
PM 620 02G	±0.2	±3		0.020	0.025	0.044
PM 620 03G	±0.35	±5		0.020	0.025	0.044
PM 620 04G	±0.7	±10		0.015	0.020	0.041
PM 620 05G	±1	-14.5 to 15	Stainless Steel	0.015	0.020	0.041
PM 620 07G	-1 to 2	-14.5 to 30		0.015	0.020	0.025
PM 620 08G	-1 to 3.5	-14.5 to 50		0.010	0.020	0.025
PM 620 10G	-1 to 7	-14.5 to 100		0.010	0.020	0.025
PM 620 11G	-1 to 10	-14.5 to 150		0.005	0.020	0.025
PM 620 13G	-1 to 20	-14.5 to 300		0.005	0.020	0.025
PM 620 14G	0 to 35	0 to 500		0.005	0.020	0.025
PM 620 16G	0 to 70	0 to 1000		0.005	0.020	0.025
PM 620 165G	0 to 100	0 to 1500		0.005	0.020	0.025
PM 620 17G	0 to 135	0 to 2000		0.005	0.020	0.025
PM 620 18G	0 to 200	0 to 3000		0.005	0.020	0.025

Absolute Ranges (referenced - Vacuum)									
Model	Bar	Psi	Compatible Media types	NLH&R		NLH&R			
				20 ±2°C (68 ± 4°F)		0 ± 50°C (32 ± 122°F)			
				For 24 hrs		for 24 hrs		for 1 Year	
				Absolute Gauge (%FS)	Sealed Gauge (%FS)	Absolute Gauge (%FS)	Sealed Gauge (%FS)		
PM 620 03A	0 to 0.35	0 to 5	Stainless Steel	0.030	-	0.050	-	0.080	-
PM 620 06A	0 to 1.2	0 to 30 inHG		0.020	-	0.036	-	0.070	-
PM 620 07A	0 to 2	0 to 30		0.015	-	0.036	-	0.052	-
PM 621 08A	0 to 3.5	0 to 50		0.015	-	0.036	-	0.050	-
PM 620 10A	0 to 7	0 to 100		0.015	-	0.036	-	0.050	-
PM 621 11A	0 to 10	0 to 150		0.015	0.005	0.030	0.020	0.047	0.025
PM 620 13A	0 to 20	0 to 300		0.015	0.005	0.030	0.020	0.047	0.025
PM 620 14A	0 to 35	0 to 500		0.015	0.005	0.030	0.020	0.047	0.025
PM 620 16A	0 to 70	0 to 1,000		0.015	0.005	0.030	0.020	0.047	0.025
PM 620 165A	0 to 100	0 to 1,500		0.015	0.005	0.030	0.020	0.046	0.025
PM 620 17A	0 to 135	0 to 2,000		0.015	0.005	0.030	0.020	0.046	0.025
PM 620 18A	0 to 200	0 to 3,000		0.015	0.005	0.030	0.020	0.046	0.025
PM 620 20A	0 to 350	0 to 5,000		0.015	0.005	0.033	0.020	0.049	0.025
PM 620 22A	0 to 700	0 to 10,000		0.015	0.005	0.033	0.020	0.049	0.025
PM 620 23A	0 to 1000	0 to 10,000		0.015	0.005	0.033	0.020	0.049	0.025
<b>General Specifications</b>									
<b>Maximum Intermittent Pressure</b>				2 x FS					
<b>Maximum Working Pressure</b>				110% FS					
<b>Sealing</b>				IP 65 (Protected against dust and jets of water)					
<b>Operating Temperature</b>				-10° - 50°C (14° - 122°F)					
<b>Storage temperature</b>				-20° - 70°C (-4° - 158°F)					
<b>Humidity</b>				0 - 90% without Condensation (Def stan 66-31, 8.6 cat III)					
<b>Shock and Vibration</b>				BS EN 61010:2001; Def stan 66-31, 8.4 cat III)					
<b>EMC</b>				BS EN 61326-1:2006					
<b>Electrical Safety</b>				BS EN 61010:2001					
<b>Pressure Safety</b>				Pressure equipment Directive Class					
<b>Approval</b>				CE marked					
<b>Size and Weight</b>				100mm x 65mm 48mm, 100g					