

Pressure Calibrators

Precision pressure calibrator, series PM...

Pneumatic and hydraulic pressure calibrators of series PM... describe themselves especially by high accuracy of measurement and compact type of construction.

Reference pressures of -1 up to 700 bar can be generated in a fast and simple way.

Exact adjustment of the desired pressure is carried out by a precision adjustment valve. The reference pressure is indicated via an analogue precision pressure gauge or a digital LCD. The instruments under test are connected to the pressure output of the calibrators by a pressure hose and an adapter. For rough use on the spot the calibrators can be supplied in protection class IP 68. Power is supplied by batteries or rechargeable accumulators.

The automatic measuring range switch of the PM... series grants an optimal resolution with any application. Different measurement units can be selected by pressing a function key.

Precision pressure calibrator PM 40



Pressure media: air
Pressure range of handpump: -1...40 bar

Type	PM 40 E	PM 40 D
Display	Multifunction LCD 30 x 30 mm	Multifunction LCD 30 x 30 mm, switchable pressure units
Pressure range	-1...40 bar	-1...3 bar / -1...40 bar
Tolerance	±0.5 % FS ±1 digit	±0.10 % FS ±1 digit

PM 40 E	SIKA-Order-Code	ISSA-Code	IMPA-Code
-1...40 bar	PM040E00053000		

PM 40 D	SIKA-Order-Code	ISSA-Code	IMPA-Code
-1...3 bar	PM040D00000300	61.241.10	
-1...40 bar	PM040D00053000	61.241.11	

Included accessoires: Pump and pressure hose, nylon seal and case
Set of adapter: G1/8", G3/8", G1/2", reference reduction G1/4" double fitting G1/8" and G1/4"

Precision pressure calibrator PM 700



Pressure media: water and oil
Pressure range of handpump: 0...400 bar (distilled water)
0...700 bar (spec. hydraulic oil)

Type	PM 700 E	PM 700 D
Display	Multifunction LCD 30 x 30 mm	Multifunction LCD 30 x 30 mm, switchable pressure units
Pressure range	0...350 bar	0...350 bar / 0...700 bar
Tolerance	±0.5 % FS ±1 digit	±0.1 % FS ±1 digit

Type	SIKA-Order-Code	ISSA-Code	IMPA-Code
PM 700 E, 0...350 bar	PM700E-3000000		
PM 700 D, 0...350 bar	PM700D-3000000	61.241.17	
PM 700 D, 0...700 bar	PM700D-7000000		

Included accessoires: Pump and pressure hose, nylon seal and case
Set of adapter: G1/8", G3/8", G1/2", reference reduction G1/4" double fitting G1/8" and G1/4" as well as NPT 1/4"

High Pressure Calibration Set

High pressure calibration set P-HP

With the calibration set P-HP you are able to check your mobile hydraulic power units (1) or fuel-injector test rigs (2). These pneumatically supported high pressure pump systems can be equipped with different tools and are used on board for following operations:

- Setting of injection valves
- Assembling / disassembling cylinder cover
- Fixing fundament
- Creation defined torques

The calibration of build-in pressure gauges allow a reliable statement about the accuracy and is therefore decisive to the quality of proceed operations.

The connection of digital pressure reference P-HP will be via hose adapter to the pressure output of the controlling system.

The high pressure calibration set P-HP includes the pressure reference with connection adapter as well as three high pressure hose and will be supplied in a service case.



High pressure calibration set applications



Hydraulic power unit e.g. IOPmarine (1)



Fuel-injector test rig e.g. IOPmarine (2)

Technical data

Pressure media: special hydraulic oil

Display	Multifunction LCD 20 x 60 mm
Pressure range	0...2000 bar
Tolerance	±0.1 % FS ± 1 digit

Pressure range	SIKA-Order-Code	ISSA-Code	IMPA-Code
0...2000 bar	EME8AEB23HP2K0		

Included accessoires:

- Case
- Adapter with quick coupling nipple 2000 bar (male)
- Different high pressure hoses (0.3 m) with quick coupling
 - 1 x red, 2000 bar, female
 - 1 x blue, 1500 bar, female
 - 1 x blue, 1500 bar, male