

Pneumatic Calibrator PK Panel Manometer PM



Pneumatik Calibrator PK

Panel Manometer PM
can be installed into a 19" laboratory system



Pneumatic-Calibrator PK

The electronic and pneumatic calibration and control system (PK) consists of a panel manometer (PM28) and an independent pressure simulation unit (PG20). With this equipment, the daily calibration and measurement work may be carried out in a convenient and autonomous manner.

Dimensions of housing: portable version
3HE/63TE
140 x 365 x 249 mm
Weight: 4.5 kg incl. measurement and pneumatic unit

This precision measuring instrument may be installed in any 19" laboratory system. The digital pressure measurement instrument PM28 is equipped with an RS232 interface and may be ordered with individual communication and measurement point software.

Pneumatic Generator (PG20)

With the proven independent pressure simulation unit (PG20) and using the hand pump, a pressure of approx. 20 bar can be generated and adjusted with the vario-bellows. The PG20 is also equipped with a pressure reducer.

Panel Manometer (PM28)

Measuring ranges PM28	Resolution	Max. loading capacity	Error limit F.S. ± 1 digit
0... 25 mbar	0,001	125 mbar	0,2%/0,1%
0... 70 mbar	0,01	350 mbar	0,2%/0,1%/0,05%
0... 200 mbar	0,01	1500 mbar	0,2%/0,1%
0... 300 mbar	0,01	1500 mbar	0,2%/0,1%/0,05%
0... 500 mbar	0,1	4000 mbar	0,2%/0,1%
0... 1000 mbar ¹⁾	0,1	4000 mbar	0,2%/0,1%/0,05%
0... 2000 mbar ¹⁾	0,1	7000 mbar	0,2%/0,1%/0,05%
0... 7 bar ¹⁾	0,001	17 bar	0,2%/0,1%/0,05%
0... 10 bar ¹⁾	0,001	27 bar	0,2%/0,1%
0... 17 bar ¹⁾	0,001	27 bar	0,2%/0,1%/0,05%
0... 30 bar ¹⁾	0,01	70 bar	0,2%/0,1%
0... 70 bar ¹⁾	0,01	140 bar	0,2%/0,1%
0... 1100 mbar abs ¹⁾	0,1	4000 mbar	0,2%/0,1%
0... 2000 mbar abs ¹⁾	0,1	7000 mbar	0,2%/0,1%/0,05%
0... 7 bar abs ¹⁾	0,1	17 bar	0,2%/0,1%
PM22			
0... 20/200 mbar	0,01/0,1	1500 mbar	0,5%/0,2%
0... 100/1000 mbar	0,1/1	2000 mbar	0,5%/0,2%
0... 200/2000 mbar	0,1/1	3000 mbar	0,5%/0,2%
0... 1/10 bar	0,001/0,01	27 bar	0,5%/0,2%
0... 110/1100 mbar abs	0,1/1	2000 mbar	0,5%/0,2%
0... 200/2000 mbar abs	0,1/1	3000 mbar	0,5%/0,2%

¹⁾ also media witch are compatible with stainless steel 18/8 (DIN 1.4305)



Application

- Measurement and control engineering
- Process engineering
- Pharmaceutical and chemical industries
- Paper and foodstuffs industries
- Gas, water works and waste disposal plants
- Heating/ventilation/air conditioning

Your benefit

- Portable simulation and measurement unit (PK) or can be installed into a 19" laboratory system
- For calibration tasks in workshops or on-site
- Very simple operation via the keypad
- illuminated display
- Over- and underpressure can be created and regulated with the pneumatic unit
- Easy exchangeable measurement range (PM)
- Choice of different measurement units
- Configuration logging facility
- Re-calibration via the keypad possible
- Data logging with selectable measurement

intervals

- Direct evaluation of the data via the display, printer or communication software
- Communication software for Windows
- Measurement point administration software for Windows

Performance features

- Measurements of over and underpressure, differential or absolute pressure
- Meas.range from 0 ... 25 mbar to 0 ... 70 bar
- Classes 0.05%/0.1%/0.2% F.S.
- Bar type and analogue indication
- Peak value storage Max/Min
- Hold and Zoom function
- Leakage rate
- Keystroke zeroing
- RS232 interface
- Instrument air, inert gas or media-compatible versions possible
- External supply or battery-operation
- 12 months guarantee

Technical data PM

PM28

Measuring media:	instrument air, inert gases. Versions 1 to 70 bar: all media which are compatible with stainless steel 18/8 (DIN 1.4305)
Units of measur.:	mbar, bar, Pa, kPa, MPa, mmH ₂ O, mH ₂ O, mmHg, psi, inH ₂ O, inHg
Operating temp.:	-5 °C ... +50 °C
Humidity:	30 to 95% r.H.
Meas. rate (RS232):	max. 20 readings/second
Supply:	9 V battery, power supply unit 230 V
Memory interval:	selectable, manual, 1 sec. ... 60 min.
Pneum. connection:	Plug in connector Rectus type 20
Case dimension:	3HE/28TE, 128,4 x 141,9 x 85 mm
Weight incl. battery:	approx. 600 g

PM22

Measuring media:	instrument air, inert gases
Units of measur.:	mbar resp. bar or kPa
Operating temp.:	0 °C to +60 °C
Measuring rate:	3 readings/second
Supply:	9 V battery, power supply unit 230 V
Pneum. connection:	Plug in connector Rectus type 20
Case dimension:	3HE/28TE, 128,4 x 141,9 x 85 mm
Weight incl. battery:	approx. 600 g

Bitte kontaktieren Sie uns für weitere Informationen oder für unsere komplette Dokumentation.

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Hersteller von mechanischen und elektronischen Bordinstrumenten für die militärische und zivile Luftfahrt.

Im Geschäftsbereich Druckmessgeräte stellt THOMMEN sowohl digitale und pneumatische Kalibratoren als auch Hand- und Panelmanometer her.

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