

Pressure Calibrator Type DPC



The DPC measures and generates pressures and consequently it is more than a mere measuring instrument - it can also be applied as test and calibration instrument for pressure sensors and pressure switches. Thanks to internal pressure generation no auxiliary tools are required for operation. An internal Li-ion battery is available for mobile operation. Parallel operation of mains and battery supply allows for maximum flexibility.

Fields Of Application

Mobile and stationary calibration - mobile and stationary pressure measurement - test automation in test rigs

Technical Data

Versions	DPC-1	DPC-10	DPC-100	DPC-1000
Measuring/ pressure range	1 hPa	10 hPa	100 hPa	1000 hPa
Measuring inaccuracies	0,3% of f. v. ± 1Digit	0,1% of f. v. ± 1Digit		
Linearity	0,2% of f. v. ± 1Digit	0,1% of f. v. ± 1Digit		
Hysteresis	0,1% of f. v. max.			
Measurement principle	inductive			
Temperature drift of the internal reference sensor	Zero point: 0,03% of f. v. / K (0% through zero balance); Span: 0,03% of f. v. / K			
Zero balance, programmable modes	<ul style="list-style-type: none"> · Automatic (in adjustable time intervals) · Manual (ZERO button) 			
Long-time stability of the internal reference sensor	0,1% of f. v. per year (typical)			
Working temperature range	+10°C to +40°C			
Storage temperature range	-10°C to 70°C			
Usable pressure measuring range	-10..110%			
Adjustment time	Depending on volume < 5s			
Measurement media	Air, non-aggressive and non-corrosive gasses			
Operating modes	CTRL (controlling pressure) MESS (measuring pressure) AUTO (individually definable pressure profile) Remote-controlled operation (via interfaces)			
Display	Graphic display (blue/ white)			
Resolution	10.000 points			
Interfaces	USB - RS232 (optional)			
Power supply	24 VDC/ 1A			
Pressure connections	6,6 x 11 mm (for flexible hoses D = 6mm)			
Housing	102,6 x 257 x 271 mm (H x B x T) without handle			
Accessories	Supply device - transport case - hoses			