



Manometer

Analogue, mechanical manometer (pointer manometer)

The classic tensiometer consists of a tensiometer base component and a manometer. As a pressure measuring instrument, the manometer displays the suction tension of a tensiometer directly and without any preparation. The devices are maintenance-free and very durable, but must be treated as a sensitive measuring device and handled with appropriate care. The measuring element is a capsule spring that can be overloaded up to a pressure of -1 bar (1,000 hPa). The accuracy is generally 1.6 % of the measuring range. The manometers are calibrated individually; the actual deviation is indicated on the test label. The setting is adjustable (zero point adjustment). These special manometers can be used for all tensiometer measurements. Together with switching sensors(+ T-piece), they are used to take control measurements or to assess the set switching point. However, it should be noted that with direct-switching tensiostats, the reaction speed when switching them off is somewhat slower because of the manometer.



50170x



Digital manometer

The digital manometer consists of a piezo-resistive pressure sensor (comparable to an E-sensor) and display electronics with battery power supply. It must be switched on by pressing a button. In all other respects, the usage is similar to the mechanical manometer; the digital manometer and switching sensors (M-sensor or TSW) can be used together by means of a T-piece. The manometer is maintenance-free and can be used in a range from - 5 to +40 °C. The replaceable lithium battery (CR 2032) has a service life of approx. 10,000 cycles.



TECHNICAL SPECIFICATIONS:

	Analogue manometer
Design:	Capsule spring
Housing:	Stainless steel
Overload protection:	1000 hPa
Accuracy class:	1.6
Diameter:	ø 50 mm
Connection thread:	Screw cap GL14
	Digital manometer
Measurement range:	15 - 800 mbar
Accuracy:	± 2 mbar
Display duration:	10 seconds
Battery:	CR2032
Diameter:	ø 45 mm
Connection thread:	BL



	Type M 400	Type M 600	Type BD (digital)
Article number	501705	501707	5017211
Measurement range	0 to 400 hPa	0 to 600 hPa	15 to 800 hPa
Accuracy	±5 hPa	±5 hPa	±2 hPa
Resolution	5 hPa	10 hPa	10 hPa
Set-point deviation	specified for 3 values	specified for 3 values	not specified
Design	Capsule spring	Capsule spring	Pressure sensor
Zero point	adjustable at front	adjustable at front	Zero point reset
Display	Pointer	Pointer	digital 10 sec. display duration
Protective cap			501725
Further features	robust, precise, maintenance-free	robust, precise, maintenance-free	precise, maintenance-free

Accessories	
Product	Article number
Digital manometer Type BD	501721
Adapter GL14 > IT45	501312
Thread adapter GL14 > BL	501313
Protective cap for digital manometer	501725

