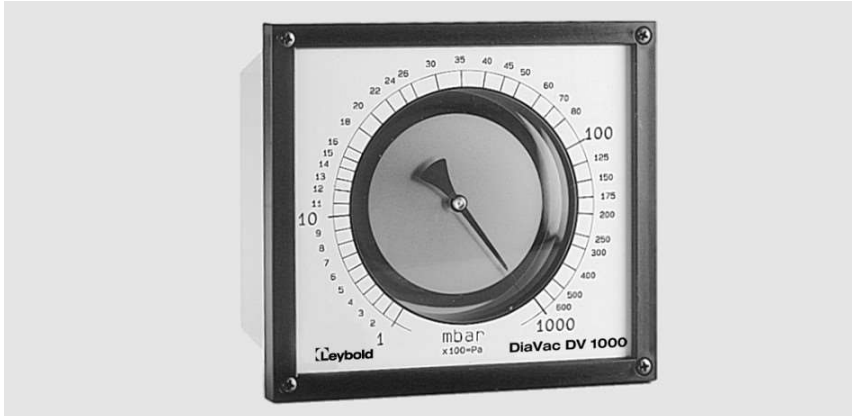


Diaphragm Vacuum Gauge DIAVAC DV 1000



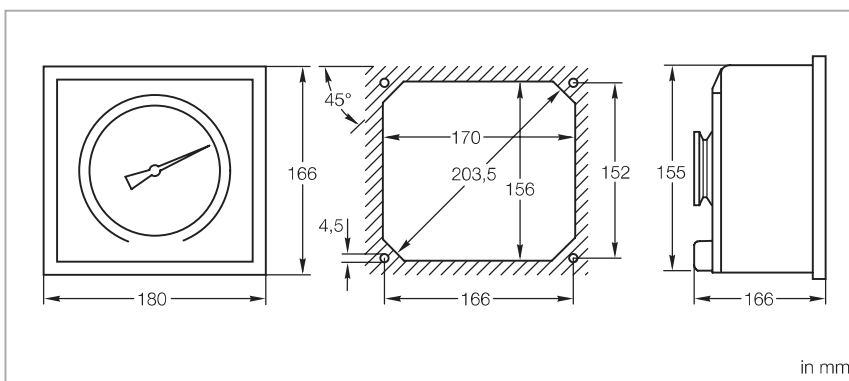
Rugged mechanical diaphragm vacuum gauge of high accuracy for the rough vacuum range from 1 to 1000 mbar (1 to 750 Torr).

Advantages to the User

- Wide measurement range from 1 to 1000 mbar (1 to 750 Torr) with high resolution in the range from 1 to 100 mbar (1 to 75 Torr)
- The scale of each gauge is individually calibrated
- Absolute pressure gauge
- Readout independent of the type of gas and changes in atmospheric pressure
- Stainless steel diaphragm for excellent compatibility with most media
- Laser welding technology for high precision diaphragm mount
- Rugged table-top housing, can be freely mounted above the flange connection; also for panel mounting
- Measurement chamber can be easily cleaned owing to the detachable measurement flange

Typical Applications

- Chemical processes
- Vacuum distillation
- Absolute pressure measurements for gas mixtures
- For use in explosion hazard rated areas
- Drying processes
- Lamp manufacture



Dimensional drawing and panel cut-out for the DIAVAC DV 1000

Technical Data

DIAVAC DV 1000

Measurement range	mbar (Torr)	1 to 1000 (1 to 750)
Measurement uncertainty		
1 – 10 mbar (1.0 – 7.5 Torr)		±1 mbar (Torr)
10 – 600 mbar (7.5 – 450 Torr)		± 10% of meas. value
Storage temperature range	°C	-10 to +60
Nominal temperature range	°C	0 to +60
Permissible overload (abs.)	bar	3
Length of scale	mm	270
Dead volume	cm ³	130
Vacuum connection	DN	40 ISO-KF
Dimension (W x H x D)	mm	180 x 166 x 100
Weight	kg (lbs)	2.7 (5.95)
Materials in contact with the medium		Stainless steel 1.4301, 1.4310 (diaphragm), FPM (FKM)

Ordering Information

DIAVAC DV 1000

	Part No.
DIAVAC DV 1000	
mbar display	160 67 ¹⁾
Torr display	896 06 ¹⁾
Factory calibration	154 22
Replacement sinter filter with centering ring, DN 40 ISO-KF	231 93 515
Replacement housing, complete	240 000

¹⁾ Complete with centering ring and sintered filter