

# **Vacuum Gauges DIAVAC 1000**

Diaphragm  
Vacuum Gauges for  
the Rough Vacuum Range



# DIAVAC 1000

Mechanical vacuum gauges for precise rough vacuum measurements from 1000 to 1 mbar



**DIAVAC vacuum gauges are used for pressure measurements in the rough vacuum range from 1000 to 1 mbar.**

The DIAVAC DV 1000 is a rugged **mechanical** diaphragm vacuum gauge with high measurement accuracy.

## Typical Applications

- Chemical processes
- Process industry
- Vacuum distillation
- Absolute pressure measurements for gas mixtures
- Drying processes
- Lamp production

## DIAVAC 1000 Product features

- Wide measurement range from 1000 to 1 mbar with high resolution in the 100 to 1 mbar range
- Individual scale calibration
- Absolute pressure gauge
- Readout is independent of gas type and changes in atmospheric pressure
- Stainless steel diaphragm for excellent media compatibility
- High precision diaphragm
- Rugged table-top housing with flexible installation opportunities: flange connection or panel mounting possible
- Easy measurement chamber cleaning due to the removable measurement flange

Technical data	DIAVAC 1000
Measurement range	1000 to 1 mbar (750 to 1 Torr)
Displayed pressure range	
1 - 10 mbar (1.0 - 7.5 Torr)	±1 mbar (0.75 Torr)
10 - 600 mbar (7.5 - 450 Torr)	± 10% of measured value
Permissible temperature range	
operation	0 to +60 °C
storage	-10 to +60 °C
Permissible overload (abs.)	3 bar
Length of scale	270 mm
Dead volume	130 cm <sup>3</sup>
Vacuum connection	DN 40 ISO-KF
Dimensions (W x H x D)	180 x 166 x 100 mm
Weight	2.7 (6) kg (lbs)
Materials in contact with the medium	stainless steel 1.4301, 1.4310 (diaphragm), FPM (FKM)
Ordering information	DIAVAC 1000
DIAVAC DV 1000, complete with sintered filter, mbar readout / Torr readout	Cat. No. 160 67 / 896 06
DAkKS calibration (former DKD)	Cat. No. 157 12
Factory calibration	Cat. No. 157 22
Replacement sintered filter with centering ring, DN 40 ISO-KF	Cat. No. 231 93 515
Replacement housing, complete	Cat. No. 240 000



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