



Technology for Vacuum Systems

Vacuum measurement: precise, rugged and versatile

1080 TO 0.1 MBAR
ANALOGUE AND DIGITAL
UP TO 4 GAUGE HEADS

Vacuum Gauge
DCP 3000



DCP 3000

from 1080
to 0.1 mbar



Up to 4 gauge heads:
On-the-spot measurement at different locations

The new versatile vacuum gauge

- **Outstanding precision**
Capacitive anti-corrosion pressure transducer with excellent long-term stability and effective temperature compensation
- **Measuring on the spot**
VACUU·BUS technology allows simultaneous connection of up to 4 external gauge heads at distances up to 30 m
- **Large illuminated display**
Analogue and digital vacuum reading. Measured value display between gauge heads by simple turn of a button
 - **Venting at the touch of a button**
Connection for external air admittance valve (accessory)



- **Interactive communication**
Serial interface RS232C
- **Designed for rough conditions**
Rugged plastic housing, splash-protected VSK 3000 gauge head
- **Simple alignment**
No complicated characteristic curves

TECHNICAL DATA

	DCP 3000
Measuring range	1080-0.1 mbar (810-0.1 Torr)
External gauge head VSK 3000	Capacitive pressure transducer made of alumina ceramic for gas-type independent measurement of absolute pressure
Display	Back-lit graphic LCD display with analogue and digital vacuum reading. Graphic progression indicator
Display precision	0.1 mbar (0.1 Torr)
Units of pressure / scaling	mbar, Torr, hPa (user-selectable)
Uncertainty of measurement	$< \pm 1$ mbar (0.75 Torr) (after zero and atmospheric point setting, at constant temperature)
Temperature coefficient	$< \pm 0.07$ mbar/K ($< \pm 0.05$ Torr/K)
Connection to VSK 3000 gauge head	Small flange NW 16 with screw fitting for PTFE tubes 10/8 mm; stepped screw-in hose nozzle NW 6/10 (included)
Max. temperature of gas at transducer	+80 °C, short-term
VACUU·BUS connectors	1 socket for power supply, 2 connectors for external gauge heads, valves; expandable by Y adapters; extensible up to 30 m
Interface	RS232C
Protection rating (DIN EN IEC 60529)	Pressure sensor: IP 54 (against water splashes). Front side of display unit: IP 42 (against dripping water)
Mains supply	100–240 V~ / 50–60 Hz
Support	Removable stand support (can be clamped to a rod)
Dimensions (L x W x H)	138 x 124 x 115 mm
Weight (without power supply)	Display unit: 0.44 kg / external sensor: 0.18 kg

Items supplied: Vacuum gauge, external sensor, support, power supply, mains cable with plug CEE/CH/UK/US/AU, instructions for use

ORDERING INFORMATION

Vacuum gauge DCP 3000 with VSK 3000 68 31 70

ACCESSORIES

External gauge head VSK 3000	63 66 57
Air admittance valve VBM-B (KF 16, VACUU·BUS)	67 42 17
VACUU·BUS extension cable, 2 m	61 25 52
Y adapter VACUU·BUS	63 66 56
VACUU·CONTROL software	68 29 20
Cable RS232C, 9-pole, Sub-D	63 78 37

THE COMPANY:

With 150 employees and over 40 years of experience, Vacuubrand manufactures the most comprehensive range of laboratory and instrumentation vacuum pumps, gauges and controllers for rough and fine vacuum.

The product range comprises rotary-vane pumps, oil-free diaphragm pumps, complete pumping units, flexible vacuum systems and solutions for local area networks. The range is completed by a wide choice of fittings and accessories as well as vacuum gauges and controllers for rough and fine vacuum.

Our technical literature is only intended to inform our customers. The validity of general empirical values and results obtained under test conditions for specific applications depends upon a number of factors beyond our control. It is, therefore, strictly the users' responsibility to verify carefully the validity or suitability to their specific requirements. No claims arising from the information provided in this catalogue will consequently be entertained.

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