HUBER INSTRUMENTE AG, Grellingerstrasse 23, CH-4208 Nunningen

Fields of application:

- Clean room technology

- Medical technology

- Chemical industry

- Laboratory monitoring

- Heating

- Ventilation

- Air conditioning

The HUBER Panel is the ideal device for pressure monitoring in cleaning rooms.
Due to it's size, the panel is easily mounted in between walls and convinces with very good readability.
Up to four additional sensors for temperature and humidity can be connected to the device and displayed.
Calibration and comparison can be done comfortably via the provided software.

Technical data:

Measurement range	-1...+1 hPa (other ranges on request)
Measurement principle	inductive
Overpressure safety	Overpressure recognition pos. overpressure +1,15hPa +/-0,075 hPa neg. overpressure -1,15hPa +/-0,075 hPa For differential measurements: Max. Systemdruck 1 bar (higher overpressure protection on request)
Medium	non aggressive gasses
Parts in contact with medium	Ni, Al, CuBe, PU
Linearity	+/- 1% of f.v. Option: +/- 0,5% of f.v. +/- 0,2% of f.v.; other ranges >= 2,5 hPa
Hysterese	0,1% of f.v.
Supply	15 - 35 VDC Option: 100 - 240 VAC (50 - 60 Hz)
Current consumption	6 VA
Protection	500 mAT
Supply influence	< 0,05 %
Output signal	0 - 10 V (load <= 500 Ohm) Option: 0- 20 mA, (0) 4- 20 mA (load <= 500 Ohm)
Resolution	12 Bit (4096 points)
Temperature drift	Zero point max. +/- 0,03%/K Span max. +/- 0,03%/K
Temperature range	Specifi ed range +15°C to + 50°C
Humidity	up to 80% rel. humidity
Storage Temperature	- 10... + 70 °C
Long term stability	+/- 0,5 % p.a. typ.
Front panel	Stainless steel
Electric connections	Screw terminal max. 1,5 mm²
Pressure connectors	Ø 3 x 4mm (for flexible hoses Ø 3) Ø 4,6 x 9mm (for flexible hoses Ø 4)
Protection class	II
Protection type	IP20 optional IP65
Standards	EN 61000-6-1, EN6100-6-2, EN61000-6-3, EN61000-6-4, EN 61010
Weight	approx.. 1,2 kg (approx. 1,3 kg with power adaptor)
Impact stability	10g
Sensor volume	approx. 10 ml
Volume increase	approx. 0,2 ml bei Nenndruck
Display	4x7 segment LED-display; 4 digits, height of digit 14,2 mm, 4x14 segment LED-display 2 digits, height of digit 13,8 mm
Zeroing	zeroing is adjustable manual, automatic (after system start then after 10 min, 20 min. and 1 hour. Then every hour)
Option	Output RS485 and with Modbus ASCII protocol / Modbus TCP / IP
Limit contacts	2 limit contacts (current consumption aprox. 35/45 mA) Relais output changer: 6 A / 230 VAC Status displayed via 2 LED Programmable: Hysteresis, power-on/ power-off delay, Opener/ NO switch Warning by fl ashing the display (value set)