

# Pressure transducers DMU 13 Vario with local display

Reliability through process data redundancy.



## Advantages - your benefits

- + More reliability with two independent measurements / displays
- + Economy of time with a single process connection for two measuring systems
- + Process data redundancy even in the case of power outage
- + Flexible zero correction with magnetic pin ensures that the system is quickly ready for measurements
- + High measuring accuracy for optimum monitoring of your system
- + Numerous options for adaptation to your application: Electrical contacts, housing filling, fitting of chemical seals or other process connections



## Portfolio

As a combination of a mechanical, power-independent local display based on a Bourdon tube safety pressure gauge and an electrical output signal, the pressure transducer offers maximum readability, higher reliability and optimum options for integration into existing digital systems and measuring ranges of up to 400 bar (vacuum is also possible).

## Description

The DMU 13 Vario pressure transducers consist of a mechanical Bourdon tube measuring element and a piezo-resistive polysilicon thin-film measuring cell. The Bourdon tube measuring element is used to provide an easy-to-read analogue local display. The display is power-independent. Due to the integrated pressure transducer, high-precision measurement in parallel is possible. A standardised current output is available for signal transmission and recording of measured data. The robust stainless steel housing has a solid baffle wall and blow out. The zero point of the electronic sensor can be corrected from the outside via a permanent magnet after voltage has been applied and within a given time window.

## Technical specifications

<b>Nominal size</b>	100
<b>Measuring accuracy</b>	Pressure gauge: class 1.0 (EN 837-1/6) Transducer: Deviation from characteristic curve according to IEC 60770 – limit point calibration (non-linearity, hysteresis, repeatability): <math>\pm 0.3\% \text{ FSO}</math>
<b>Measuring ranges</b>	Relative pressure: -1/0 bar, 0/0.6 to 0/400 bar
<b>Application area</b>	Static load: full scale value Dynamic load: 0.9 x full scale value Short term: 1.3 x full scale value
<b>Operating temperature range</b>	Medium: -10/+100 °C Ambient: -10/+60 °C Storage: -10/+70 °C
<b>Housing</b>	Stainless steel 304 with solid baffle wall and blow-out
<b>Window</b>	Laminated safety glass



Used for process monitoring, DMU 13 Vario contributes to consistently high product quality in a wide variety of application industries such as chemical/petrochemical, power plants, paper industry, gas control lines and many more.

<b>Degree of protection</b>	IP 54 (EN 60529)
<b>Process connection</b>	G1/2" – spanner size 22, bottom (EN 837-1/7.3)
<b>Wetted parts</b>	Pressure connection: Stainless steel 316 L/316 Ti Electr. measuring cell: Stainless steel 630/304 Seal: Without
<b>Electrical connection</b>	Junction box

Your dealer

ID no.: 991517 06922 06/24

Version	Part no.
<b>DMU 13 Vario</b> , 0/2.5 bar	31203
<b>DMU 13 Vario</b> , 0/4 bar	31204
<b>DMU 13 Vario</b> , 0/6 bar	31205
<b>DMU 13 Vario</b> , 0/10 bar	31206
<b>DMU 13 Vario</b> , 0/16 bar	31207
<b>DMU 13 Vario</b> , 0/25 bar	31208
<b>DMU 13 Vario</b> , 0/40 bar	31209



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