

unibar® DW4000

Pressure Measuring System

Line MPF



Features

Compact pressure unit

with display, analogue output and switch function

- **Pressure sensor element**
of stainless steel with high overload capacity
- **Analogue output: 4...20 mA or 0...10 DCV**
for purpose of control and recording
- **Programmable Zeropoint Shift**
- **High operating reliability**
designed for >10 million load cycles, vibration 25 g RMS
- **Easy to operate**
all working parameters can be adjusted when the pressure units are installed at a process system
- **EMV-stability according to IEC 801**
- **Protection category IP 67**



Pressure range [bar]	0 - 10	0 - 25	0 - 40	0 - 100	0 - 160	0 - 250	0 - 400
Supply voltage	16 - 32 VDC inclusive permissible ripple of 30 %						
No load current	≤ 50 mA						
Analogue output	0 - 10 VDC or 4 - 20 mA, short circuit protection						
• Linearity	± 0,5 % of FS						
• Reproducibility	± 0,1 % of FS						
• Range Adjustment	100 % of FS to 50 % of FS						
Switch output	PNP, N.O./N.C., short circuit protection and protected against reverse polarity						
• Range of adjustment	4 .. 100 % of FS						
• Output current	≤ 250 mA						
• Voltage drop	≤ 2,5 V						
• Switching time	typ. 50 ms						
• Temperature drift	typ. 0,15 % of FS/10 K						
• Switching-hysteresis *)	2 % of FS or adjustable						
Relay output (option)	One-way-contact, galvanically isolated						
• Output current	≤ 1A						
• Contact rating/voltage	≤ 30 W/≤ 40 V						
Digital-Display	3 x 7-segments-LED-display						
Switching indication	red LED						
Line temperature	- 25 °C to 80 °C						
Permitted ambient temperature	- 25 °C to 80 °C						
Pressure connection	G1/2A with frontdiaphragm, rotatable 350 °against housing						
Material of body/	1.4571						
Material of housing	Makralon 8030						
Electrical connection	M12-connector						

FS ≙ Rated

Pressure

