

Pressure Display Unit ZDIS-2

Parameter

ZDIS-2

Display device for visualization of pressure values
of external pressure sensors
With current- or voltage output.

Technical data

Input signal

- 0...5V
- 1...5V
- 0...10V
- 0,5...4,5V
- 0...20 mA
- 4...20 mA

Display max. 5 digits (0...99999)
7-Segment-LED-Display, Digit height 9 mm

Accuracy: +/- 0,3% +/- 1 digit

Physical units: mbar, bar, Pa, psi,...

Operating temperature: -20...+80 °C

Supply voltage: 11...32 V DC (max. 1W),
optional 230 V AC

Correction of characteristics
per example: To calculate the contents of a round tank
with the help of the filling level



Applications

- Hydraulic
- Pneumatic
- Environment systems
- Process Control
- Air conditioning engineering
- Semiconductor production
- Automotiv application
- Agricultural machine engineering
- Heating
- Industrial roboter

Technical Data

Description

The ZDIS-2 is an display device in a 48 x 48 mm² panel installation case. Different external pressure sensors can be attached with linearized current and voltage outputs.

Optional an improvement of the precision is possible for nonlinear functions or special applications (e.g. filling level in round tank)..

Sensor connection

Different pressure sensors can be attached. The display device is available in six explanations: Voltage input 0..5 V, 0..10 V, 0,5...4,5 V, 1..5 V and current input 0..20 mA and 4..20 mA. The sensors can be applied by the external supply voltage of the display device. See clamp figure.

Mechanical data

Dimensions:

Housing for control paneel 48 x 48 mm²,
depth: 85 mm

Type of protection: IP 50

Process connector:

C-clamp in the housing, 7pins, removeable

7	6	5	4	3	2	1
		GND (Sensor)	Signal Input	+15VDC (for Sensor)	+UB (Power supply)	GND (Power supply)

Mistakes and changes in terms of technical improvements reserve

Order information

Order name	Input range
EPS-D2-V1-xxxxx-yyyyy-z	Sensor output 0 .. 5V
EPS-D2-V2-xxxxx-yyyyy-z	Sensor output 0,5 .. 4,5V
EPS-D2-V3-xxxxx-yyyyy-z	Sensor output 0 .. 10V
EPS-D2-V4-xxxxx-yyyyy-z	Sensor output 1 .. 5V
EPS-D2-V5-xxxxx-yyyyy-z	Sensor output 4 .. 20mA
EPS-D2-V6-xxxxx-yyyyy-z	Sensor output 0 .. 20mA
EPS-D2-V7-xxxxx-yyyyy-z	Special versions

xxxxx	Display value for the lowest input level
yyyyy	Display value for the highest input level
z	additional options (also several)
	N 230V AC
	L Sensor supply 5V-DC (otherwise like voltage supply)
	R Ratiometric Input Signal (only together with option L)