

# DIGITAL PRESSURE READOUT with switching outputs

**Microcontroller-basing display device for visioning the physical unit pressure from external pressure sensors with lineareized current and voltage output.**

**Input: 0..5 V; 0..10 V; 0,5..4,5 V; 4..20 mA**

**Display: max. 5 digits (0...99999)**

**Operating temperature: -20 °C ..+80 °C**

**Supplay voltage: 10..32 V DC; 230 V AC**

**Protection class: IP 50**



## SHORT DESCRIPTION

The DA-2 is a display device which is in a 48-48 mm<sup>2</sup> (panel cut dimensions). Several external pressure sensors with linearized current and voltage-outputs may be plugged in. For process control the DA-2 has two switching outputs, which can be used for controlling the limit value.

## TRANSMITTERCONNECTION

Several pressure sensors may be plugged in. The display device is available in six versions:

- voltage-input: 0..5 V; 0..10 V; 0.5..4.5 V; 1..5 V
- current-input: 0..20 mA and 4..20 mA

The transmitters may be driven by a 5 V reference voltage (max. 10 mA) or by the external supply voltage of the display device (protected against connecting the wrong way and made safe).

*See clampingdescription.*

Supply voltage	10...32 V DC; optional 230 V AC
Maximum power consumption	ca. 1W
Scale	0...99999
Units	mbar, bar, Pa,psi
Inaccuracy	±0,3 % ± digit from reference demension
Kind of protection	IP 50
In-, Output-connection	Molex male connection 7 Pin Snap
Inputs from transmitter	Voltage up to 10 V, current input up to 4...20 mA
Casing	Switchboard casing 48 x 48 mm length: 85 mm
Display	3.5-digit LCD
Handling	5 digits with 7-segment LED-display; segment height: 9 mm

- subject to alteration -



## CLAMP DESCRIPTIONS:

7	6	5	4	3	2	1
Switch contact	Switch contact	GND (sensor)	Signal (input)	+Ub OUT (sensor)	+Ub (consumption)	GND (consumption)

Switch contact optional as NC or NO (internally changable)

## ORDERINFORMATIONS

Ordernumber	Description
ADZ - DA 2 - V 1 - xxxxx - yyyyy - z	Sensorconnection 0..5 V
ADZ - DA 2 - V 2 - xxxxx - yyyyy - z	Sensorconnection 0.5..4.5 V
ADZ - DA 2 - V 3 - xxxxx - yyyyy - z	Sensorconnection 0..10 V
ADZ - DA 2 - V 4- xxxxx - yyyyy - z	Sensorconnection 1..5 V
ADZ - DA 2 - V 5- xxxxx - yyyyy - z	Sensoraconnection 4..20 mA
ADZ - DA 2 - V 6- xxxxx - yyyyy - z	Sensoraconnection 0..20 mA
ADZ - DA 2 - V 7- xxxxx - yyyyy - z	Special connection

Legend:

Xxxxx lowest display range

Yyyyy highest display range

Z additional options (multiple choice possible)

N	230 V AC
L	Sensor consumption 5 V DC (otherwise Ub)
R	Input ratiomatic (L=5 V)
SC	Switch off NC
SO	Switch off NO

Options\*:

\* Others on request (e.g. Level measuring/volume into a round tank deposit)

- subject to alteration -

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