

# DIGITAL PRESSURE GAUGE AND PRESSURE TRANSDUCER



**4-digit LED display or  
6-digit display with backlighting**

**Accuracy 0,5%**



## Description

The basic structural element of the instrument is a piezoresistive pressure sensor with a stainless-steel isolating diaphragm. The use of the high quality sensor is a prerequisite for high accuracy, overloading capacity and long-term stability of the instrument. The output signal of the sensor is processed by a microprocessor. The status of the relay is indicated on the panel with four LED's.

The front panel of polycarbonate foil contains four buttons that are used to program parameters of the pressure gauge and switching functions; e.g.:

- a beginning and an end of the measuring range
- offset (tara)
- output signal
- levels of switching points and functions of individual relays (switching on/ off, switching differential, position of relays in case of a failure, etc.)
- number of decimal places

in the basic version the instrument is delivered without analog output and the switching relays, (on request with analog output and 1 up to 4 relays).

## Features


- Case and wetted parts of stainless steel
- LED / LCD display
- Memory of the MIN / MAX value
- relay output
- high overloading capacity
- long-term stability

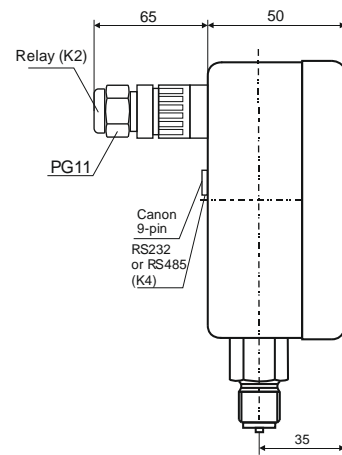
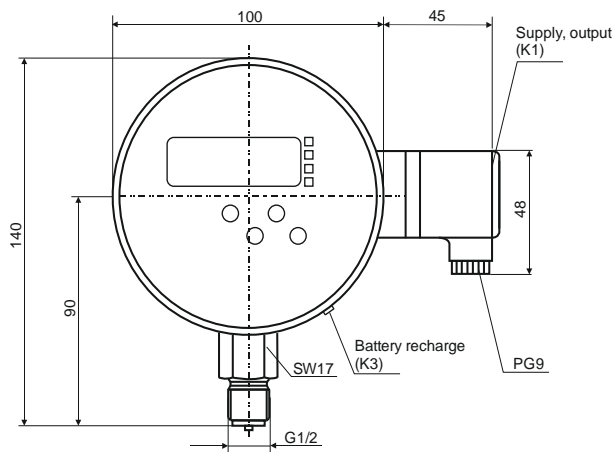
## Ranges

0 ... 25 mbar up to 0 ... 700 bar

## Options

- Calibration certificate
- Data logger
- Oxygen design
- Diaphragm chemical seal
- Vacuum, absolute pressure, gauge pressure and vacuum combination
- Display with color backlighting
- Explosion-proof design (ATEX)

Type	3310	Options
Diameter	100	
Symbol		
Accuracy	0,5% FS standard	0,25%, 0,2%, 0,15% FS for press. range from 250 mbar 0,1% of reading ±0,05% FS
Pressure ranges	0...60 mbar up to 0...700 bar	
Long term stability	better than 0,15% FS per a year	
Supply voltage	15 - 36 VDC (3-wire configuration, LED or LCD display) 8 - 28 VDC (2-wire configuration, only with LCD display)	
Output signal	2-wire: 4...20 mA (only with LCD-display) 3-wire: 4...20 mA, 0...20 mA, 0...1 (5;10) V..etc. RS232, RS 485	other on request
Relay output	1 to 4 relay (the setpoints are free programmable by means of buttons on the front panel, incl. hysteresis. The status of the relay is indicated by LED light.) Rating: 5 A / 250 V AC 5 A / 30 V DC, max. 150 V / 1 A	
LED-light (option)	Increasing or degreasing of pressure is indicated by LED light	
Operating temperature range	Ambient: -20 up to +70°C Medium: -20 up to 125°C Storage: 5 up to 40°C	
Electrical connection option	K1 - mating socket with screw terminal connections to DIN 43650 (supply, analog output) K2 - Amphenol CA6 (relays) K3 - socket for recharging (built-in accumulator) K4 - Canon 9-pin (digital output)	
Process connection	G½ EN 837	
Sealing	NBR	Viton® on request
Seal rating	IP 65	
Wetted parts material	SS 316L, NBR (Viton®)	
Material of housing	SS 304, Polycarbonate, NBR seal	
Weight	approx. 0,5 kg	



**Option: Display with color backlighting**

- LED display, (not for battery operation, not 2-wire output)
- LCD display, yellow-green backlighting
- LCD display, blue backlighting
- LCD display, orange backlighting
- LCD display, white backlighting
- LCD display, without backlighting (for battery operation)