

DIGITAL PRESSURE CONTROLLER, 4 RELAYS



- RANGE $-0.1 \dots 100$ MPa
- FOUR RELAYS + $4 \dots 20$ mA
- SET POINTS ON SITE
- 4-DIGIT LED DISPLAY
- 24 V DC OR 220 V AC



Display



Analogsignal



Stainless Steel

VERSIONS

Feature	Versions
Measuring range	$0 \dots 10 / 60$ kPa · $0 \dots 1 / 2 / 5 / 10 / 25 / 60 / 100 / 160 / 250 / 400 / 600 / 1000$ bar · compound $-10 \dots 10$ kPa, $-60 \dots 60$ kPa, $-1 \dots 1 / 2 / 5$ bar
Pressure type	gauge pressure · negative pressure
Mounting	radial · axial
Process connection	G1/4 male, G1/2 male, G1/4 female, NPT1/4 male, NPT1/2 male, M20 × 1.5 male (standard) · flange DN25, DN50
Power supply	24 V DC · 220 V AC



OVERVIEW

Digital pressure controller in a stainless steel gauge housing: measures, displays and switches via four relays – with an additional 4 ... 20 mA output.

At the front sits a pressure sensor with oil-filled isolating diaphragm; the signal is digitised with high resolution, processed by a microprocessor and displayed on site. The four switching points are set directly on the device. Typical uses are hydropower and water supply, chemicals, mechanical engineering and hydraulics.

100 MPa max. full scale	4 relay outputs	0.5 % accuracy class	200 % overload capacity
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MEASURE AND DISPLAY	SWITCH AND OUTPUT
■ gauge, absolute, negative and differential pressure	■ four relay outputs
■ 4-digit LED, 0.56"	■ set points adjustable on site
■ display -1999 ... 9999	■ standard signal 4 ... 20 mA
■ stability ≤ 0.1 % / year	■ supply 24 V DC or 220 V AC



TECHNICAL DATA

MEASUREMENT

Scale range	-0.1 ... 100 MPa
Pressure type	gauge, absolute, negative or differential pressure
Measuring principle	pressure sensor with oil-filled isolating diaphragm, A/D converter, microprocessor
Precision grade	0.5 %
Stability	≤ 0.1 % / year
Overload capacity	200 %

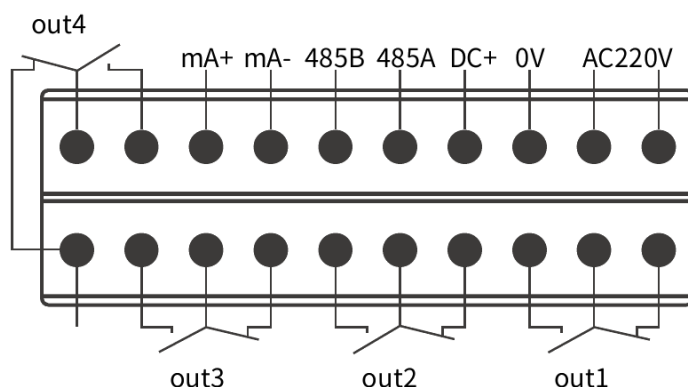
ENVIRONMENT

Ambient temperature	-20 ... +70 °C
Relative humidity	≤ 80 %

MECHANICAL PROPERTIES

Material	stainless steel
Housing	standard instrument 100; radial Ø 100 mm, axial Ø 98 mm with flange Ø 117 mm
Mounting thread	optional

TERMINAL ASSIGNMENT



out1 ... out4 relay outputs · mA+ / mA- analogue output 4 ... 20 mA · DC+ / 0V supply 24 V DC · AC220V supply 220 V AC

ELECTRICAL PROPERTIES

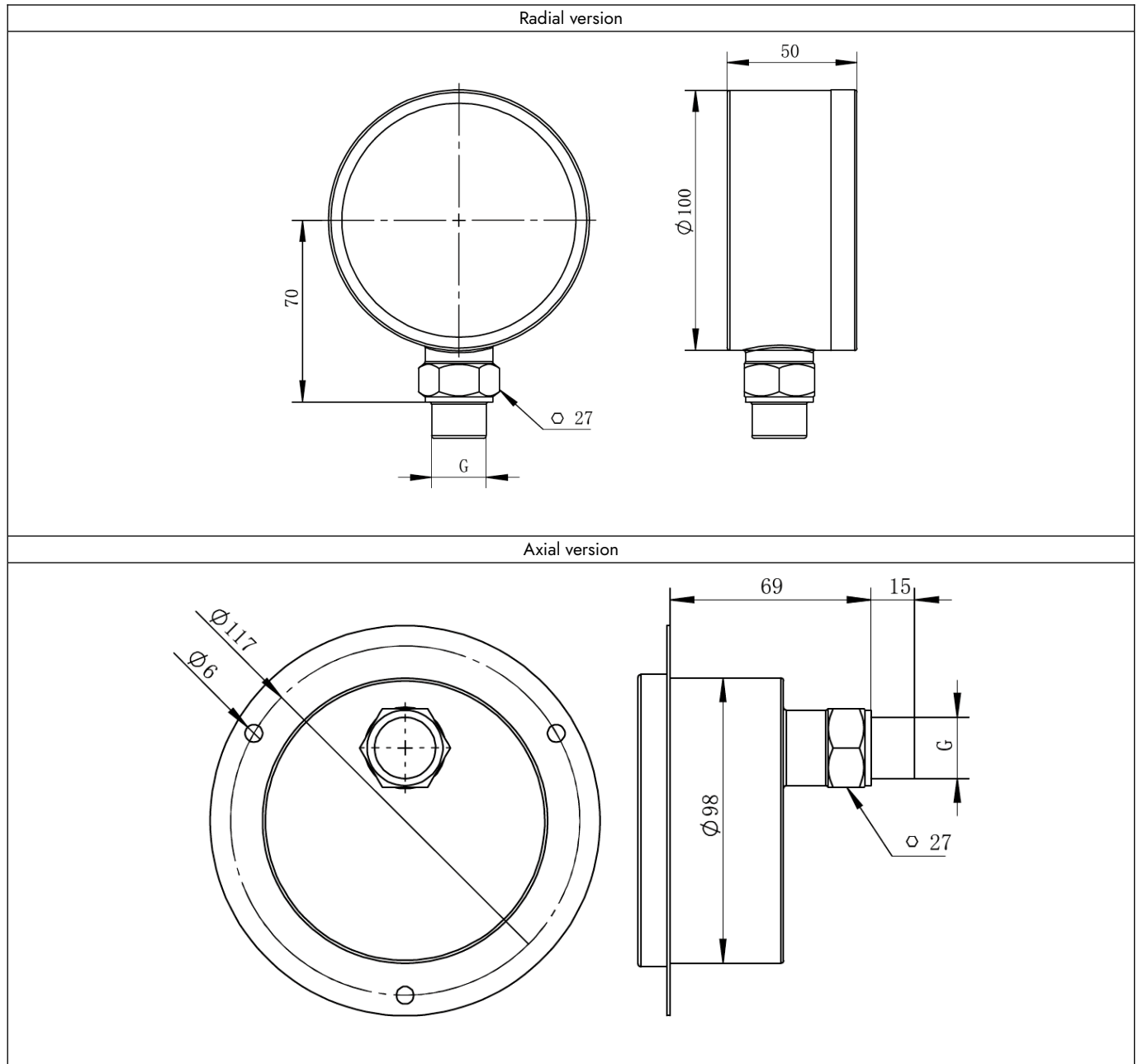
Power supply	24 V DC or 220 V AC
Switching outputs	4 relays, set points adjustable on site
Analogue output	4 ... 20 mA

DISPLAY

Display mode	4-digit LED, digit height 0.56"
Display range	-1999 ... 9999



DIMENSIONS (mm)



Dimensions in mm. G = process connection.

