Pressure and level transmitters

Differential Pressure Transmitter, 316L Isolation Diaphragm

Model CS-PT500

Differential pressure transmitter with a diffused silicon, oil-filled core and 316L isolation diaphragm, 0–5kPa...2000kPa range, 20MPa maximum static pressure and 4–20mA output.



Range
0–5kPa...2000kPa

Output
4–20mA

Protection
IP65

Supply voltage
10–30VDC

Features

- Stainless steel construction, G1/4 pressure connector
- Temperature compensation and aging screening
- Compact size, fully solid insulation
- Explosion-proof version to GB3836.4 ExiaII.CT6
- DIN 43650A connection, IP65

Applications

Flow measurement, Sewage treatment, Mine ventilation pressure difference, Hydropower water level difference, Urban flood control and drainage

Specifications

Performance specifications

Reference conditions	Temperature 25°C; power supply 12VDC; relative humidity 45%~75%; ambient atmospheric pressure 86KPa~106KPa
Standard range	0–5kPa...2000kPa
Overload pressure	≥150%F.S
Static pressure	Max 20MPa (Note 1: for products with a static/differential pressure ratio greater than 10 times, consult the manufacturer)
Accuracy at room temperature	±0.5% F.S (include no-linearity, hysteresis, repeatability, and calibration error)
Long-term stability	±0.25%FS/year
Response time	(10%~90%) ≤10ms
Operating temperature	-20°C~105°C

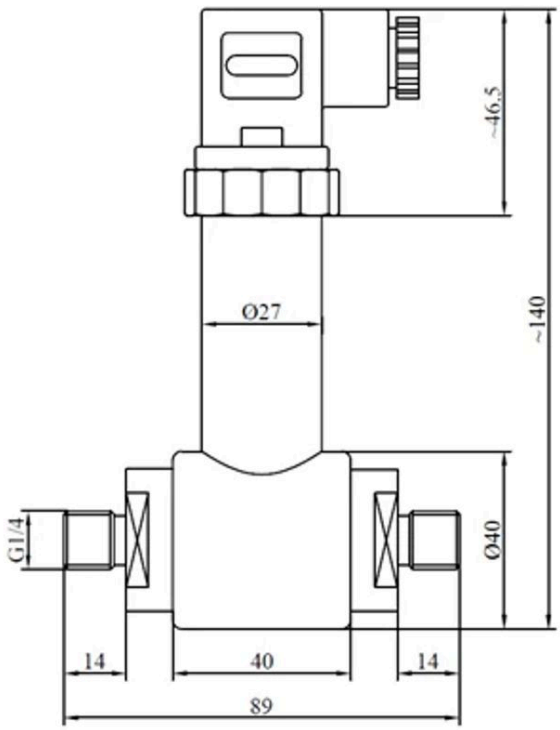
Compensated temperature	0°C~50°C
Storage temperature	-40°C~105°C
Output signal	4–20mA
Supply voltage	10–30VDC
Output load	≤ (U-10) / 0.023 Ω (MAX: 600Ω)
Over voltage	32VDC
Reverse voltage	-30VDC
Insulation resistance	≥100MΩ@50VDC
IP rating	IP65
Random vibration	10g, 5–2000Hz
Shock	X/Y/Z, 20g, half-sine 11ms
Drop (any axis)	1m
Pressure connector	G1/4
Connector material	304 stainless steel
Electrical connection	DIN 43650A
Seal material	FKM

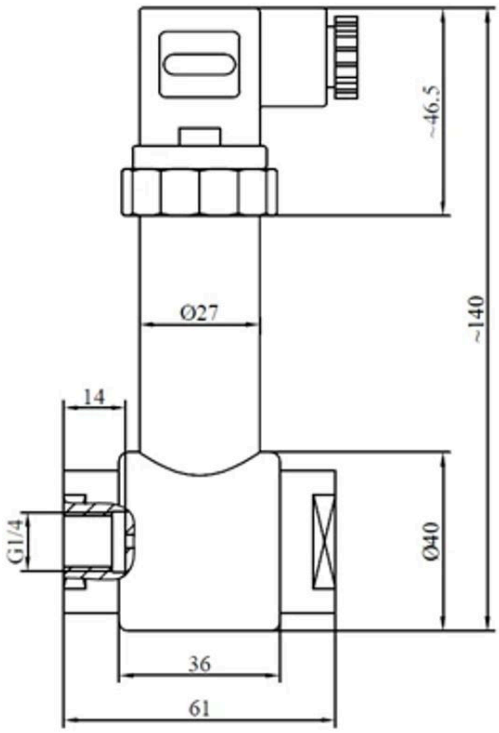
Ordering and support

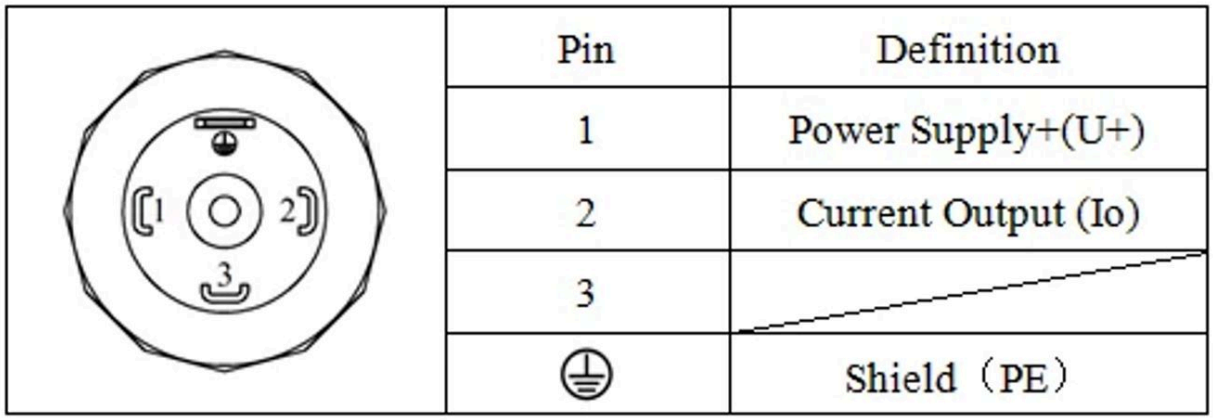
Pricing, samples, lead time and custom versions: dwinsales@163.com, +86 181 0280 8901.

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Dimensions and wiring







Drawings are for reference. Dimensions in millimetres unless stated.