Pressure and level transmitters

Pressure and Temperature Transmitter, Dual 4–20mA

Model CS-WPT300G

Integrated refrigerant pressure and temperature transmitter with dual-channel 4–20mA output, -1... 10–50bar sealed gage, -40°C~125°C range and ±0.5%F.S pressure accuracy.



Range
-1...10–50bar (Sealed Gage)

Accuracy
±0.5%F.S

Output
4–20mA

Protection
IP65

Features

- Pressure and temperature in one transmitter
- Silicon oil sensor, sealed gage
- All welded, no O-rings, no leakage risk
- G1/4 or NPT1/4 316L connector
- Forward and reverse overvoltage protection

Applications

Maglev units, Cold water screw units, Heat pump units, Industrial refrigeration units

Specifications

Performance specifications

Reference conditions	Temperature: 20°C~25°C; Power supply: 12VDC; Relative humidity: 45%~75%; ambient
Atmospheric pressure	86KPa~106KPa;
Pressure measuring range	-1...10–50bar (Sealed Gage)
Temperature measuring range	-40°C~125°C
Overload pressure	300%F.S (≤105bar)
Burst pressure	500%F.S (≤175bar)
Pressure accuracy at 25°C	±0.5%F.S (include no-linearity, hysteresis, repeatability, and calibration error) Note1
Temperature accuracy	±0.5%F.S
Long-term stability.	±0.25%FS/year

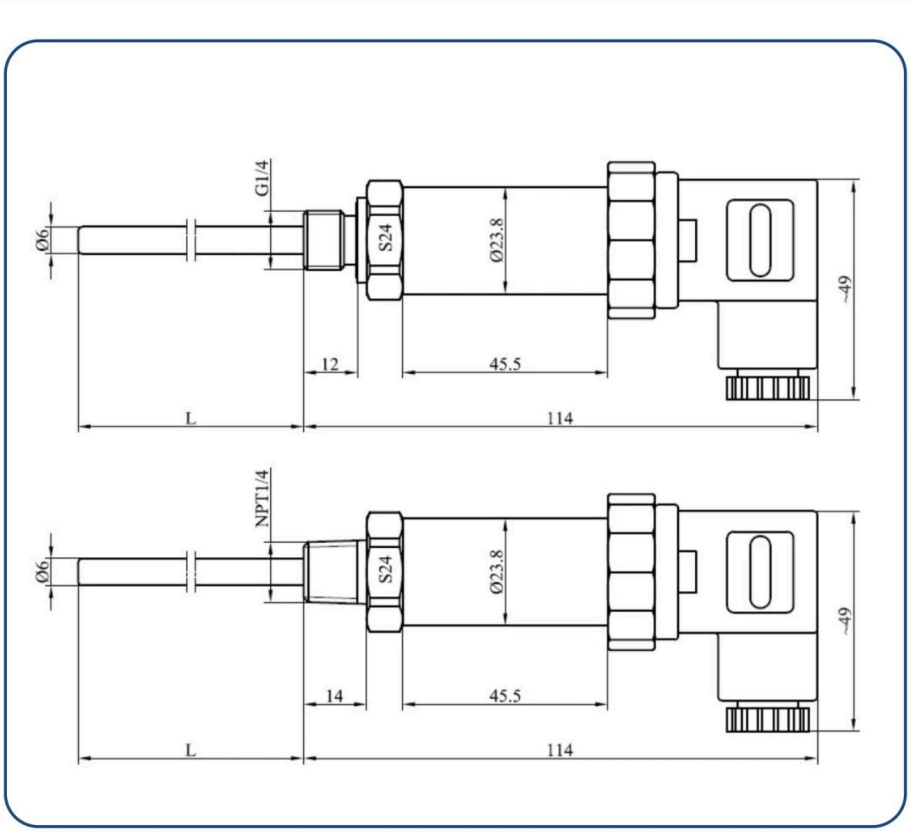
Response time	≤10ms
Medium temperature	-40°C~125°C
Ambient temperature	-35°C~105°C
Storage temperature	-35°C~105°C
Output signal	4–20mA
Supply voltage	10–30 VDC
Output load	≤ (U－10)/0.023 Ω(Max: 600Ω)
Overvoltage	30VDC
Reverse voltage	-30VDC
Insulate resistance	≥100MΩ@100VDC
Dielectric strength	500VDC@1min (no spark, arc, no damage)
ESD	Contact ±4kV, air ±8kV
EMC	EN 61000-6-2/3
IP rating	IP65
Random vibration	10g, 5–2000Hz
Shock	X/Y/Z, 20g, half-sine 11ms
Drop (any axis)	1m
Pressure connector	G1/4, NPT1/4
Connector material	316L stain steel

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.