

TECHNOLOGY

HOLYKELL®

HPT300C Series
PRESSURE
• DATASHEET •

1. Pressure Measurement 2. Level Measurement 3. Temperature Measurement
4. Flow Measurement 5. Display & Control Instruments
6. Wireless Monitoring System 7. Velocity Measurement

HPT300C Series

Commercial Refrigeration Pressure Transducers & Transmitters

Applications

- Refrigeration equipment
- Centrifugal compressor
- Screw-type, reciprocating and turbo compressors
- Air-conditioner production line testing
- HVAC Systems
- Energy and Water Treatment

Features

- Built-in Schrader Deflator
- -45°C~125°C wide working temp scope
- Long time working at low temperature
- Superior long-term stability
- Excellent repeat ability/hysteresis
- EMI/RFI rejection
- Over voltage,reverse polarity and short circuit protection

Profiles

HPT300C series pressure transducer is with integrated Germany Ceramic sensors for manufacturing, and the advanced circuit design to avoid influences on the product caused by the temperature, humidity, mechanical fatigue and medium, thus to improve its permanent stability in the industrial environment. Its measuring range -1 to 150Bar, long lifetime 100 million pressure cycles, stainless steel body material, thread and output signal can be customized.

The HPT300C series is specially designed with highest quality standards and has successfully passed CE certification,its excellent resistance to the main refrigerants filed, with economic price make it ideal pressure monitoring device for low temp performance for use in refrigeration, air-conditioning and HVAC systems.

Holykell can provide a cost effective solution for pressure monitoring for a variety of applications. Welcome your inquiry.



HPT300C1

HPT300C2



RoHS CE

Measuring range

bar	-1 to 0 ...0 to 150
Kpa	-100 to 0 ...0 to 15000
psi	-15 to 0...0 to 2250
mbar	-1000 to 0...0 to 200000

They give measuring range are also available in Mpa , Pa,in Hg,mm Hg

Materials

Wetted Parts	Standard	Optional
Case	304 Stainless steel	316 SST/SUS321
Sensor	Ceramic	Sputtering thin film
O-ring	CR/HNBR	FKM

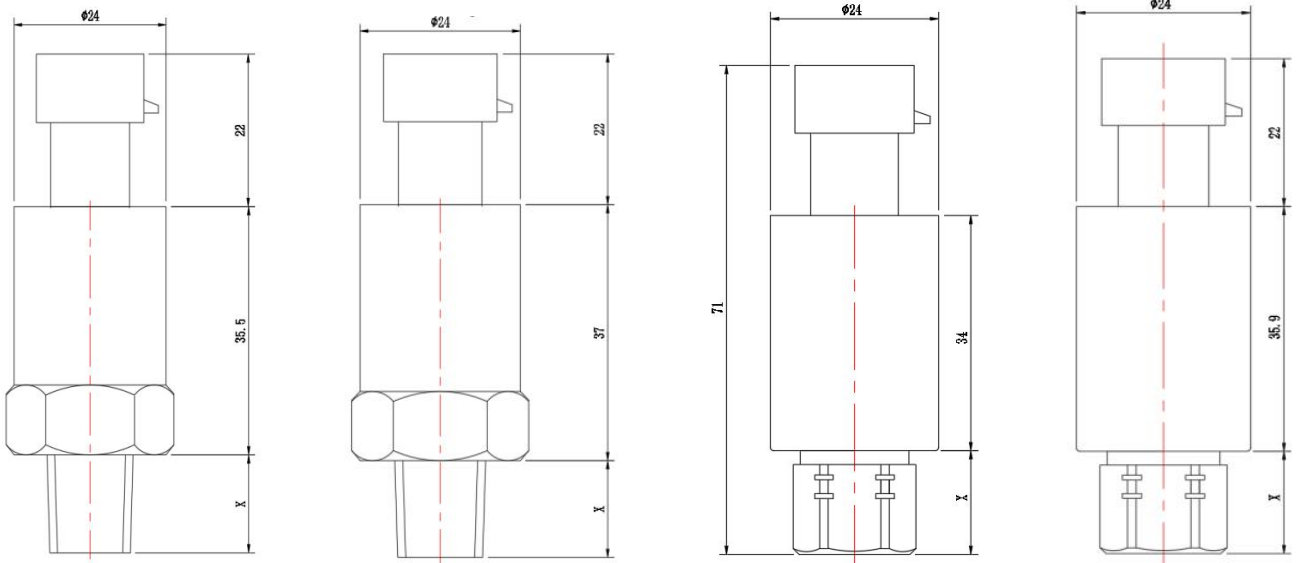
Specifications

Ambient Temperature: 25°C (unless specified)

Parameter	HPT300C Series			
Pressure Range	Gauge /Negative/Absolute pressure optional			
Overload	150% F.S			
Burst Pressure	300% F.S			
Accuracy	Min.: $\leq \pm 1.5\%F.S$, Typical: $\leq \pm 1.0\%F.S$, Max: $\leq \pm 0.5\%F.S$ (at 25°C)			
Long-term Stability	0.2%F.S \pm 0.05%/year			
Working Temp.	-40°C to +105°C(with CR O-ring); -40°C to +135°C(with HNBR O-ring); -20°C to +135°C(with FKM O-ring)			
Storage Temp.	-40°C to +125°C			
Medium Compatible	Compatible with SUS304 Stainless Steel and ceramic			
Electrical Wire	2 Wires	3 Wires		
Output Signal	4-20 mA	0-5 V	0-10 V	0.5-4.5 V ratiometric
Power Supply	8-30 V DC	8-30 V DC	13-30 V DC	5 V DC \pm 5%
Insulate Resistance	>100M Ω @100V			
Electrical Connection	Packard 3-pin connector; Packard 3-pin connector with cable length by customized			
Pressure Connection	1/4"NPT male, 7/16"-20 UNF male/Female (by customized)			
EMC Standard	EN 61326-1:2013; EN 61326-2-3:2013 EN 61000-6-2:2005; EN61000-6-4:2007+A1			
IP Rating	IP67			
Response Time	\leq 20ms			
Certificate	CE, RoHs			

Dimensions and Drawing

Unit, mm



HPT300C1(Pressure<65Bar) HPT300C1D(Pressure≥65Bar) HPT300C2(Pressure<65Bar) HPT300C2D(Pressure≥65Bar)


Electrical Connection

		Packard 3 Pin Connector	
			A
B	U+ / Red		
C	Iout(U-) / Green		
Voltage	A	U- / Black	
	B	U+ / Red	
	C	Vout / Green	

Pressure Connections				
1/2" NPT male	1/4" NPT male	G1/2" male	G1/4" male	7/16"-20 UNF Female
1/2" NPT	1/4" NPT	G1/2"	G1/4"	7/16"-20 UNF Female

Accessories

(Notes: Please purchase separately. For the price of accessories, please contact our sales.)

	Description	Order number
	<p>Liquid level display control device With all kinds of liquid level sensor, measurement according to liquid level, and according to the setting of the container structure and size and the density of liquid, calculation, display liquid volume or quality.</p>	<p>0008</p>

Order information

Model /Measuring range /Output Signal/Medium/Cable length/Case/Accessories