

PRESSURE TRANSMITTER

CT-331

★FEATURE

- * Using ceramic sensing element for providing extremely low hysteresis and high repeatability
- * Compact size for easy installment
- * Pressure type: gauge 、 absolute
- * Pressure range: -1~600 bar
- * Output signal: 4-20mA (2-wires)
0-10VDC (3-wires)
- * Accuracy: $\pm 0.5\%$, $\pm 0.25\%$ (option)
- * Load resistance: $\leq 1000 \Omega$
- * Media temperature range: -30~85°C
Environmental temperature range: -30~80°C
Storage temperature range: -30~85°C
Temperature influence: $TK < \pm 0.02\%FS/K$
- * Supply voltage: 18~33VDCa



★SPECIFICATION

Performance

Pressure range: -1...600bar

Sensor element: Ceramic material

Over pressure: 0...800 bar

Accuracy: $\pm 0.5\%$, $\pm 0.25\%$ (option)

Pressure Port: 1/4"NPT 、 1/2"NPT

Environmental:

Working temperature range: -10~85°C; -25~150°C(option)

Working humidity range: 0~95%RH

Environmental temperature range: 0~55°C

Environmental temperature range: 0~95%RH

Electrical

Supply voltage: 18...33VDC

Supply Power: $< 15mA$

Output signal: 4...20mA(2-wires); 0...10VDC(3-wires)

Load resistance: $< 1000\Omega$

Voltage influence: $\leq \pm 0.25\%$ FSO

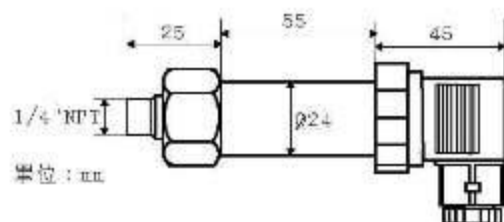
Repeatability: $< 0.2\%$ FSO

Stability: $\leq 0.2\%$ FSO/year

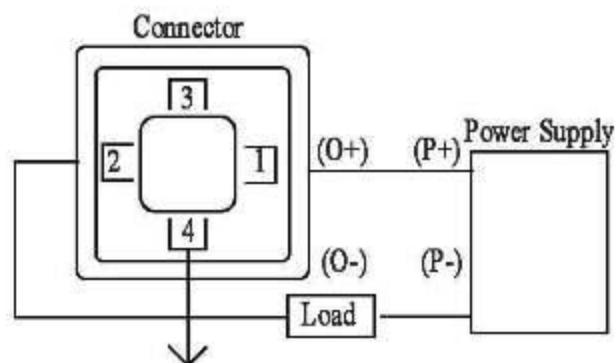
Sensitive: $\leq 0.005\%$ fso/°C

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★ DIMENSION



★ WIRING DIAGRAM



★ DISPLAY MODE

DISPLAY MODE	2-wires LED display
DISPLAY	-1.9.9.9~9.9.9.9

★ PRESSURE CONVERSION TABLE

	Pa	kPa	MPa	kgf/cm ²
1 BAR	1x10 ⁵	1x10 ²	1x10 ⁻¹	1.020
	atm	mmH ₂ O	mmHg	psi
1 BAR	9.869x10 ⁻¹	1020x10 ⁻⁴	7.501x10 ⁻²	1.450x10

★ ORDER INFORMATION

Pressure Range Pressure Port Output signal Accuracy Temperature Range

Model No: CT-331- - - - -

ITEM	SPECIFICATION					
	ITEM NO.					
Range	000	...<1bar	016	0...16bar	400	0...400bar
	001	0...1bar	020	0...20bar	600	0...600bar
	002	0...2bar	050	0...50bar	V10	-1...0bar
	005	0...5bar	100	0...100bar	B12	-1...2bar
	010	0...10bar	250	0...250bar	B15	-1...5bar
	99	Special				
Process Connector	14	1/4"NPT	12	1/2"NPT	99	Special
Output signal	420	4~20mA	010	0~10VDC	99	Special
Accuracy	050	±0.5%				
	025	±0.25%				
Temperature degree	T1	-10...85°C				
	T2	-25...120°C				

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