

# Pressure Transducer

## General information about ADIP-601CT Compact Pressure Transducer:

1-Based on technology of A10 series, ADIP-601CT is low cost and high performance oil filled pressure transmitter.

2-It is with completely welded stainless housing and installed ASIC to realize digits amplification, linearity and temperature compensation.

3-Circuit design is highly integrated meeting latest CE on electromagnetic interference standard.

4-The ADIP-601CT transmitter is in small size with various optional thread connection and wiring method, output standard 4~20mA or 0.5-4.5V, 0-5V etc industrial signal.

5-We could also produce varied special structure and output products as per customers requirements.



## Applications:

- Hydraulic and pneumatic control systems
- Energy and water treatment systems
- Level measurement
- Auto detection system
- Vessel and aviation fields

## Product Features:

- Piezoresistive oil-filled chip
- Suitable for small or medium pressure (0-100Kpa...7Mpa)
- Digital calibration, total error<0.75%
- Measuring corrosive media (media that compatible with 316L)
- Reverse power protection; surge current protection; input/ output overload
- voltage protection
- Low cost, high cost-efficiency



## Technical specification of the device:

Parameters	Min.	Typical	Max.
Accuracy(%FS)			
Including non-linearity, Hysteresis and Repeatability		±0.15	±0.25
Output(mV)	0.5~4.5V(rate output), 0-5V, 4-20mA		
Zero(%FS)	-0.75	±0.5	0.75
Span(%FS)	-0.75	±0.5	0.75
Temp. characters			
Operation Temp.(°C)	-40		125
Compensation Temp.(°C)	0		70
Total error(%FS)*	-0.75		0.75
Long-term stability(±%FS/Year)			
Zero		0.2	
Span		0.1	
Supply Voltage(V)	For details pls check type code		
Insulation Resistance(MΩ/250V)	50.0		
Respond rate(Hz)	1K		
Shock resistance	100g, 11msec not damaged		
Waterproof rank			
Wire		IP67	
Connector		IP65	
Overload pressure		2X	
Pressure media	Liquid, gas and vapour compatible with 316L stainless steel		
Life-span	>10 <sup>7</sup> times full span recycle		
Electromagnetic interference	Coincident with standards of IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6		

