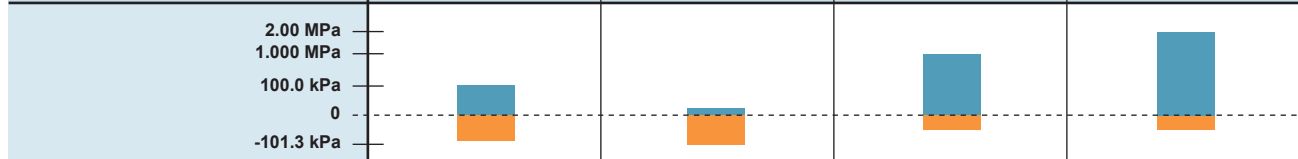


■ SPECIFICATION

MODEL		AP50C (Compound)	AP50V (Vacuum)	AP50P (Positive)	AP50H (High)
					
Rated pressure range		-100.0 ~ 100.0 kPa (-14.50 ~ 14.50 psi)	0.0 ~ -101.3 kPa (0.0 ~ -29.9 inHg)	0.000 ~ 1.000 MPa (0.0 ~ 145.0 psi)	0.000 ~ 2.00 MPa (0.0 ~ 290 psi)
Set pressure range		-101.0 ~ 101.0 kPa (-14.50 ~ 14.50 psi)	10.0 ~ -101.3 kPa (1.45 psi ~ -29.9 inHg)	-0.050 ~ 1.000 MPa (-7.3~ 145.0 psi)	-0.050 ~ 2.00 MPa (-7.3 ~ 290 psi)
Withstand pressure		300 kPa (43.5 psi)		3 MPa (434 psi)	
Fluid		Non-corrosive fluid SUS 316L			
Set pressure resolution	kPa	0.1	-	-	-
	MPa	-	0.001	0.001	0.001(-1.999) 0.01(2.00~)
	kgf/cm ²	0.001	0.001	0.01	0.01(-19.99) 0.1(20.0~)
	bar	0.001	0.001	0.01	0.01(-19.99) 0.1(20.0~)
	psi	0.01	0.01	0.1	0.1(-199.9) 1(200~)
inHg	0.1	-	-	-	
Power supply voltage		12 to 24V DC ±10%, Ripple (P-P) 10% or less			
Current consumption		≤ 40mA(With no load)			
Switch output		NPN: open collector 2 outputs Max. load current: 125mA Max. supply voltage: 30V DC Residual voltage: ≤ 1.5V		PNP: open collector 2 outputs Max. load current: 125mA Max. supply voltage: 24V DC Residual voltage: ≤ 1.5V	
Repeatability(Switch output)		±0.3% F.S. ±1 digit			
Hysteresis	One point set mode	Adjustable(*1)			
	Hysteresis mode				
	Window comparator mode				
Response time		≤ 2.5ms (chattering-proof function: 25ms, 100ms, 250ms, 500ms, 1000ms and 1500ms selectable)			
Output short circuit protection		Yes			
7 segment LCD display		3½ digit, 7 segment (red/green)			
Indicator accuracy		±2% F.S. ±1 digit (ambient temperature: 25 ±3°C)			
Switch ON Indicator		Orange (OUT1 and OUT2 indicator)			
Analog output (Voltage Output) (*2)		Output Voltage: 1 to 5V ±2.5% F.S. (within rated pressure range) Linearity: ±1% F.S. Output impedance: about 1kΩ			
Analog output (Current Output) (*3)		Output Current: 4 to 20mA ±2.5% F.S.(within rated pressure range) Linearity: ±1% F.S. Max.Load Impedance: 250Ω at power supply of 12V, 600Ω at power supply of 24V Min.Load impedance: 50Ω			
Environment	Environment	IP 65			
	Ambient temp. range	Operation: 0 ~ 50°C, Storage:-10 ~ 60°C (No condensation or freezing)			
	Ambient humidity range	Operation/Storage: 35 ~ 85% RH (No condensation)			
	Withstand voltage	250V AC in 1-min (between case and lead wire)			
	Insulation resistance	50MΩ (at 500V DC, between case and lead wire)			
	Vibration	Total amplitude 1.5mm or 10G,10Hz-55Hz-10Hz scan for 1 minute, two hours each direction of X, Y and Z			
Shock		100m/s ² (10G), 3 times each in direction of X, Y and Z			
Temperature characteristic		±3% F.S. of detected pressure (25°C) at temp. Range of 0~50°C			
Port size		F1 : R1/4", M5; F2 : NPT1/4", #10-32 UNF; F3 : G1/4"(BSPP), M5			
Lead wire		Oil-resistance cable(0.15mm ²)			
Weight		Approx. 110g (with 2 meter lead wire)			

[NOTE] *1 : Hysteresis value is adjustable within 1 ~ 8 digits for one point set mode and window comparator mode.

*2 : If analog voltage output is selected, the analog current output cannot be selected at the same time.

*3 : If analog current output is selected, the analog voltage output cannot be selected at the same time.