




Features

- Pressure unit on display
- User programmable pressure unit :
psi \ bar \ kgf/cm² \ kPa and MPa
- Accurate read out with wide viewing angle
- Dust and splash-proof IP65 enclosure
- LCD Display



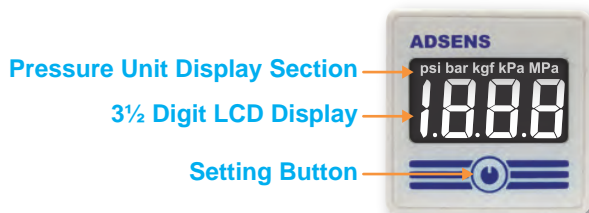
SPECIFICATIONS

TYPE		AP61V	(Vacuum)	AP61P	(Positive)
					
Rated pressure range		0 ~ -101 kPa (-14.7 ~ 0.0 psi)		0.000 ~ 1.000 MPa (0.0 ~ 145.0 psi)	
Display pressure range		10 ~ -101 kPa (-14.7 ~ 1.5 psi)		-0.100 ~ 1.000 MPa(*1) (-14.7 ~ 145.0 psi)	
Withstand pressure		300 kPa (43.5 psi)		1.5 MPa (217.6 psi)	
Applicable fluid		Filtered air, incombustible and non-corrosive gases			
Pressure resolution	kPa	1		-	
	MPa	-		0.001	
	kgf/cm ²	0.01		0.01	
	bar	0.01		0.01	
	psi	0.1		0.1	
Power supply voltage		12 to 28V DC \pm 10%, Ripple (P-P) 10% or less			
Current consumption		10mA			
Sampling rate		2 Hz (2 times/sec.)			
Repeatability		\pm 1% F.S. \pm 1 digit		\pm 0.2% F.S. \pm 1 digit	
LCD display		3 $\frac{1}{2}$ digit, 7 segment			
Indicator accuracy		\pm 2% F.S. \pm 1 digit (ambient temperature: 25 \pm 3 $^{\circ}$ C)			
Environment	Enclosure	IP 65(*2)			
	Ambient temp. range	Operation: 0 ~ 50 $^{\circ}$ C, storage: -10 ~ 60 $^{\circ}$ C (No condensation or freezing)			
	Ambient humidity range	Operation/Storage: 35 ~ 85% RH (No condensation)			
	Withstand voltage	1000V AC in 1-min (between case and lead wire)			
	Insulation resistance	50M Ω (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		\pm 2% F.S. of detected pressure (25 $^{\circ}$ C) at temp. range of 0~50 $^{\circ}$ C			
Port size		F1:R1/8", M5; F2:NPT1/8", #10-32 UNF; F3:G1/8"(BSPP), M5			
Lead wire		Oil-resistance cable (0.15mm ²)			
Weight		Approx. 60g (with 2 meter lead wire), Approx. 40g (with M8 4Pin male connector)			

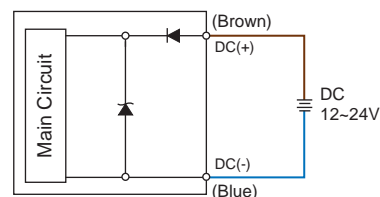
[NOTE] *1. When the pressure is -0.1 MPa, LCD displays  MPa.

*2. Air tube must be installed to maintain IP65.

PANEL DESCRIPTION



CIRCUIT WIRING DIAGRAM



* Pressure display only, no switch output function.