

EST370 Absolute Pressure Transmitter

- ✓ Pressure type: Absolute Pressure
- ✓ Range: any pressure between 0.01MPa~40MPa
- ✓ Accuracy: $\pm 0.25\%F.S.$, $\pm 0.5\%F.S.$
- ✓ Stability $0.25\%F.S./Year$ (typical), $0.4\%F.S./Year$ (maximum)
- ✓ Customized working temperature: $-40^{\circ}C \sim 125^{\circ}C$
- ✓ Signal Output: 4~20mA, 0/5~10V
- ✓ Power supply: 10/11~30Vdc, 6~24Vdc, 10/20~36Vac
- ✓ OEM: Available



Applications

Atmospheric measurements | Aerospace | Packaging machinery | Petrochemicals | Weather monitoring | Automatic detection system | Wind pressure measurement | High-rise building management

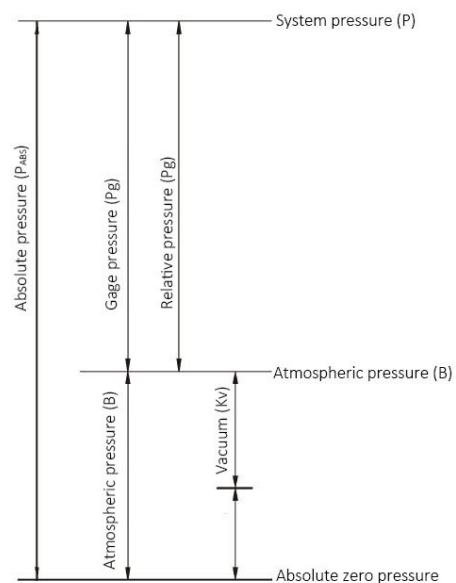
Product Introduction

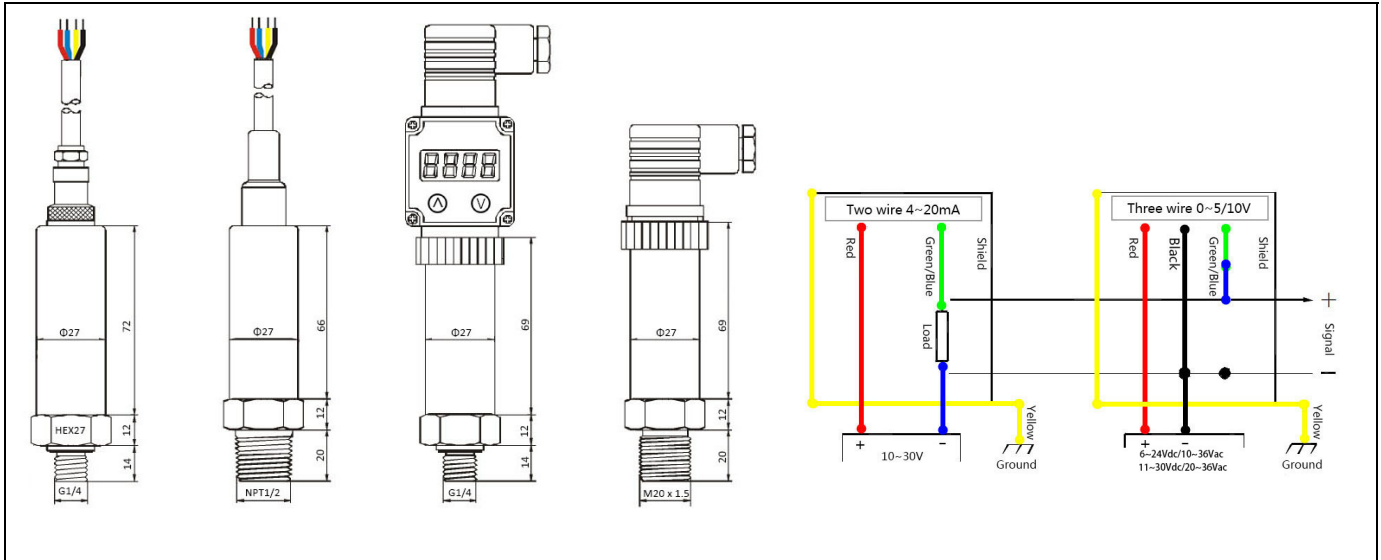
EST370 line AP transmitter references to the absolute (vacuum) pressure. The product covers all the constructions and output connections of the company.

1. Absolute Pressure (PABS)=Relative Pressure(Pg)+Atmospheric Pressure(B),
2. Vacuum Degree(Kv)=Atmospheric pressure(B)-Absolute pressure (PABS), $Kv=B-PABS$, (B>PABS)

Electrical Connections and Dimensional drawings

Electrical connection			
Cable	Two wire	Three wire	Hirschmann
Red	Power Supply	Power Supply	1
Blue/Green	Output	Output	2
Black	Shield	GND	3
Yellow		Shield	≡
Signal output			
Two wire	4~20mA		
Three wire	0~5V, 0~10V (dc)		
Electrical connection			
Cable	Two wire	Three wire	GX16-7
Red	Power Supply	Power Supply	1
Blue/Green	Output	Output	2
Black	Shield	GND	3
Yellow		Shield	4
Signal output			
Two wire	4~20mA		
Three wire	0~5V, 0~10V (dc)		





Specifications

Measuring Range	0.01MPa...40MPa;		Pressure connection	M20 x 1.5, G1/4, G1/2, NPT1/4, NPT1/2, R1/2;	
Overload pressure	1.5 times of rated pressure		Response time:	10ms	
Burst Pressure	3 times of rated pressure		Safety Level	Intrinsically Safe E; Explosion-proof D;	
Accuracy	±0.25%F.S; ±0.5%F.S;		Electromagnetic compatibility	Electromagnetic radiation: EN50081-1/-2; Electromagnetic Sensitivity: EN50082-2	
Stability	0.25%F.S/Y, 0.4%F.S/Ymax		Compensation temperature	-10~70°C;	
Working temperature	-40~85°C; (Customize -40~125°C)		Medium compatibility	All 1Cr18Ni9Ti-compatible corrosive mediums	
Electrical parameters	Two wire	Three wire			
Output Signal	4~20mA	0~5Vdc		0~10Vdc	
Power supply	10~30Vdc	6~24Vdc	10~36Vac	11~30Vdc	20~36Vac
Load resistance	(U-10)/0.02(Ω)	>100kΩ			
Electrical Connections	DIN43650, IP65; GX 16-7, IP45; Waterproof wire jacket + Rectangular seals + O-rings + Sealant + Glues pouring (Ingress Protection IP68)				
1MPa=10bar; 1bar≈14.5PSI; 1PSI=6.8965kPa; 1kgf/cm2=1atm; 1atm≈98kPa					

Ordering Procedure

EST	Absolute Pressure transmitter								
	Code	Model							
	370G	Universal							
	370E	Intrinsically safe and explosion-proof							
	370D	Explosion-proof							
	370C	+ display							
	Cod	Span							
	1	0.01MPa...40MPa							
	Code	Output Type							
	A	4~20mA							
	V	0~5V							
	V1	1~5V							
	V2	0~10V							
	V05	0.5~4.5V							
	Code	Precision							
	0.25	±0.25%F.S							
	0.5	±0.5%F.S							
	Code	Power Supply							
	DC24	24 Vdc							
	DC8	8~30 Vdc							
	DC5	5V							
	DC6	6~24 Vdc							
	DC10	10~30 Vdc							
	DC11	11~30 Vdc							
	Code	Pressure connections							
	M	M20 x 1.5							
	G2	G1/2							
	G	G1/4							
	N2	NPT1/2							
	N	NPT1/4							
	R	R1/2							
	Code	Electrical Connections							
	H	DIN43650A							
	GX	GX16-7							
	C	Waterproof wire jacket connection							
	CW	Waterproof cable conduit connections							
	Code	Cable length XXm=... m							
		Code							
		Bb	Bubble bag						
		Foa	Plastics foam						
EST	370G	1	A	0.25	DC24	G	C	1.5m	Bb