

EST3120S Pressure Transmitter

(Customizaiton Avaliable)

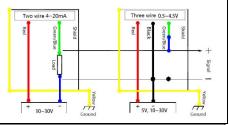
EST3120S-A | Silicone Piezo-resistance

Application: Compressor | Air conditioning unit | Over-voltage protected | Reverse voltage protected | OBD function | Short circuit protected | Low pressure measurement | Price sensitive industrial applications | Air measurement and control

Specification		Dimension & Connection
Pressure Type	Gauge	
Pressure Range	0-4bar	
Output Voltage	4-20mA	
Accuracy	±0.5%F.S	P00
Operating Temp.	-20~80℃	(P00 001)
Compensated Temp.	@25 ℃±35℃	
Accuracy in	±0.5%F.S	
Compensated Temp.		
Range		1
Temperature Drift	\pm 0.03%F.S	[5]
@Zero		
Stability	±0.1%F.S/Y	\ \(\text{\tin}\text{\tetx{\text{\tetx{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}\\\ \ti}\\\ \tittt{\text{\text{\text{\text{\text{\text{\text{\text{\texi}\text{\text{\text{\texi}\text{\text{\text{\texi}\tex{\text{\texit{\text{\text{\text{\texi}\tint{\text{\texi}\ti
Over Pressure	≤2 times	S=26. 8 67
Supply Voltage	18-30Vdc	
Electrical Connection	Thread 11mm	D 20
Process Connection	G1/4-Female	-
Housing Material	SS316	
Diaphragm Material	SS304	
Insulation Resistance	>100M	
	ohm@500VDC	<u> </u>
Hi-Pot Test	500Vac,50Hz]
Output load	Current: ≤(u-	\
Resistance	12)/0.02	
Insulate Resistance	\geqslant 20M Ω @100Vdc Ω	A
Overvoltage	Yes	
Protection		((\[\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Short Circuit	Yes	
Protected		
Ingress Protection	IP56	
Vibration	10g,5~2000HZ	
Shock	X/Y/Z, 20, sine 11ms	

	(P00 001)	
	55 10 S=26.8 D=30 \$\phi_{26.5}\$	
ļ		
A		21

Electrical cor	nnection						
Cable	Two	Cable	Three	Hirschman	12M-	Packard	
Red	Power	Red	Power	1	1	В	
Blue/Green	Output	Blue/Green	Output	2	2	С	
		Black	GND	3	3	Α	
Black	Shield	Yellow	Shield	圭			
Signal output							
4 00 4							



Only use the pressure sensor to test the medium which have no corrosion to its housing and seal material.

Cannot use sharp tools to clean the pressure hole when the hole of the pressure sensor is blocked. The pressure sensor shall be removed from system and put the pressure hole part into the fluid which can dissolve the blocking substance.

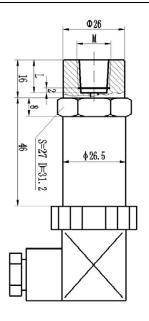


EST3120S-B | Silicone Piezo-resistance

Application: Compressor | Air conditioning unit | Over-voltage protected | Reverse voltage protected | OBD function | Short circuit protected | Low pressure measurement | Price sensitive industrial applications | Air measurement and control

Specification	
Pressure Type	Gauge
Pressure Range	0-200psi
Output Voltage	4-20mA
Accuracy	±0.5%F.S
Operating Temp.	-20~80℃
Compensated Temp.	@25 ℃±35℃
Accuracy in Compensated Temp.	±0.5%F.S
Range	
Temperature Drift	±0.03%F.S
@Zero	
Stability	±0.1%F.S/Y
Over Pressure	≤2 times
Supply Voltage	18-30Vdc
Electrical Connection	Thread 15mm
Process Connection	NPT1/4-Female
Housing Material	SS316
Diaphragm Material	SS304
Insulation Resistance	>100M
	ohm@500VDC
Hi-Pot Test	500Vac,50Hz
Output load	Current: ≤(u-12)/0.02
Resistance	
Insulate Resistance	\geqslant 20M Ω @100Vdc Ω
Overvoltage Protection	Yes
Short Circuit Protected	Yes
Ingress Protection	IP56
Vibration	10g,5~2000HZ
Shock	X/Y/Z, 20, sine 11ms

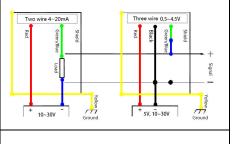
Dimension & Connection







Electrical cor	nnection						
Cable	Two	Cable	Three	Hirschman	12M-	Packard	
Red	Power	Red	Power	1	1	В	
Blue/Green	Output	Blue/Green	Output	2	2	С	
		Black	GND	3	3	Α	
Black	Shield	Yellow	Shield	圭			
Signal output	Signal output						



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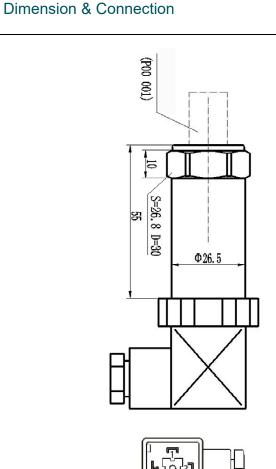
4-20mA



EST3120S-C | Silicone Piezo-resistance

Application: Compressor | Air conditioning unit | Over-voltage protected | Reverse voltage protected | OBD function | Short circuit protected | Low pressure measurement | Price sensitive industrial applications | Air measurement and control

	.
Specification	
Pressure Type	Gauge
Pressure Range	0-160psi
Output Voltage	4-20mA
Accuracy	±0.25%F.S
Operating Temp.	-20~80℃
Compensated Temp.	@25 ℃±15℃
Accuracy in Compensated Temp. Range	±0.25%F.S
Temperature Drift @Zero	±0.05%F.S
Stability	±0.1%F.S/Y
Over Pressure	≤2 times
Supply Voltage	18-30Vdc
Electrical	DIN43650 100mm
Connection	Cable
Process Connection	G1/2-Male
Housing Material	SS316
Diaphragm Material	SS304
Insulation Resistance	>100M ohm@500VDC
Hi-Pot Test	500Vac,50Hz
Output load Resistance	Current: ≤(u-12)/0.02
Insulate Resistance	≥20M Ω @100Vdc Ω
Overvoltage Protection	Yes
Short Circuit Protected	Yes
Ingress Protection	IP65
Vibration	10g,5~2000HZ
Shock	X/Y/Z, 20, sine 11ms



Electrical con	nection						
Cable	Two	Cable	Three	Hirschman	12M-	Packard	
Red	Power	Red	Power	1	1	В	
Blue/Green	Output	Blue/Green	Output	2	2	С	
		Black	GND	3	3	Α	
Black	Shield	Yellow	Shield	土			

Signal output 4-20mA

Two	vire 4~20m	nA .		Į.	Thr	ee wire	0.5~4.	5V	
Red	Green/Blue	Shield			Red	Black	Green/Blue	Shield	
	Load								
+							•		_1
+	10~30V	٦,	rellow Fround		F	5V, 10	~30V		Groun

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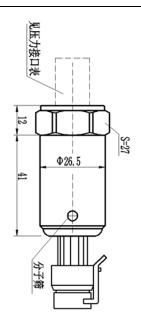


Dimension & Connection

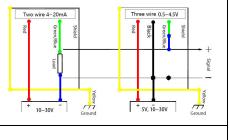
EST3120S-I2C | Silicone Piezo-resistance Digital Output

Application: Compressor | Air conditioning unit | Over-voltage protected | Reverse voltage protected | OBD function | Short circuit protected | Low pressure measurement | Price sensitive industrial applications | Air measurement and control

Specification	
Pressure Type	Gauge Absolute
Pressure Range	-1bar~25bar
Output Voltage	I2C
Accuracy	±0.5%F.S
Operating Temp.	-40~80℃
Compensated Temp.	0-50℃
Accuracy in Compensated	±0.5%F.S
Temp. Range	
Temperature Drift @Zero	±0.05%F.S
Stability	±0.2%F.S/Y
Over Pressure	≤2 times
Supply Voltage	8-30Vdc
Electrical Connection	Packard
Process Connection	3/8" BSPT
Housing Material	SS304
Diaphragm Material	SS316
Insulation Resistance	>100M ohm@500VDC
Hi-Pot Test	500Vac,50Hz
Output load Resistance	Current: ≤(u-12)/0.02
Insulate Resistance	\geqslant 20M Ω @100Vdc Ω
Overvoltage Protection	Yes
Short Circuit Protected	Yes
Ingress Protection	IP65
Vibration	10g,5~2000HZ
Shock	X/Y/Z, 20, sine 11ms



Electrical cor	nnection						
Cable	Two	Cable	Three	Hirschman	12M-	Packard	
Red	Power	Red	Power	1	1	В	
Blue/Green	Output	Blue/Green	Output	2	2	С	
		Black	GND	3	3	Α	
Black	Shield	Yellow	Shield	主			
Signal output							
I2C							



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