

Sencera Co., Ltd.

錫麟企業有限公司

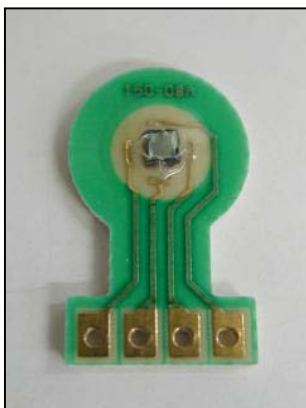
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COB Pressure Sensor



FEATURES

Low Cost Sensor Element

Solid State Reliability

Absolute Pressure

Constant Voltage or Constant Current Drive

APPLICATIONS

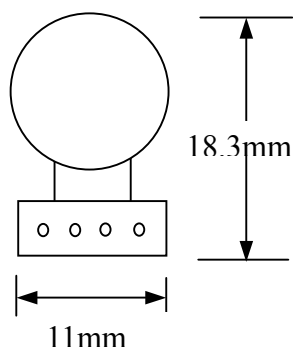
Altimeters

Weather Station

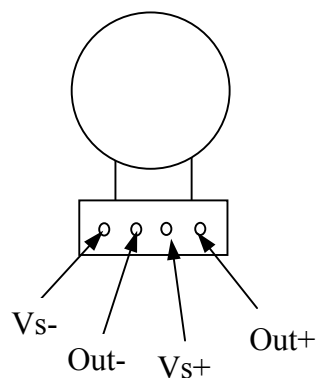
Pneumatic Control

Cable Fault Detection

DIMENSION



ELECTRICAL CONNETION



Characteristics:

Parameter	Value	Units	Notes
General			
Pressure Range	15 / 30 / 100	Psi	
Maximum Overpressure	3X		rated pressure
Electrical @25°C (77°F) unless otherwise specified			
Excitation	3	VDC	
Input Impedance	4~6	kΩ	
Output Impedance	4~6	kΩ	
Environmental			
Operating Temperature Range	-40~+125	°C	-40 °F ~+257°F
Storage Temperature Range	-40~+125	°C	-40 °F ~+257 °F
Mechanical			
Media Compatibility	Clean, dry air & noncorrosive gases		
PERFORMANCE⁽¹⁾			
Zero Offset	$\pm 30/\pm 30/\pm 10$	mV/V	
Span	$145+30/60\pm 20$ $/60\pm 20$	mV	
Bridge Resistance	4~6	kΩ	
Linearity	$\pm 0.3/\pm 0.3/\pm 0.2$	% Span	
Hysteresis	± 0.1	% Span	
Temperature Coefficient of Zero Offset	-0.08~+0.08	% Span/°C	
Temperature Coefficient of Span	<-0.15/ <-0.15/-0.2	%Span/ °C	
Notes: 1. All values are Minimum/Maximum and are measured at 3 VDC and 25°C unless otherwise specified. 2. Best fit straight line. 3. Between -20 °C and 100 °C. Temperature coefficients are typical values.			