

Metrodyne Microsystem Corp

MPS-2100 series Pressure Sensor

FEATURES

- Competitive price dual in-line package
- Wide operating temperature range:- 40 to +85°C
- Solid-state reliability
- Easy to Use
- Easily Embedded in OEM Equipment

APPLICATIONS

- Blood Pressure Meter
- Digital Pressure Gauges
- Environmental Monitoring
- Consumer & Sports
- Medical Instrumentation & Monitoring
- Disposable Blood Pressure

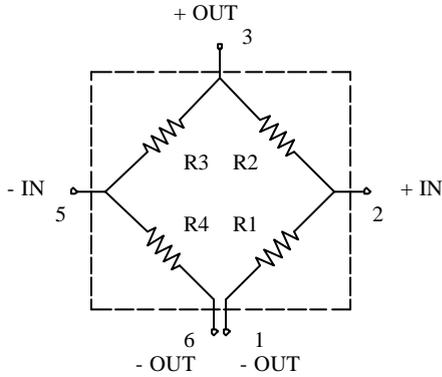
Pressure type	Gauge	Gauge
	MPS-2100-006G	MPS-2100-006GR
Model		

Specifications

Parameter	Value	Units	Notes
General			
Pressure Range	5.8	PSIG	40 KPaG
Maximum Overpressure	3X		rated pressure
Electrical @25°C (77°F) unless otherwise specified			
Excitation	5	VDC	
Input Impedance	4~6	kΩ	
Output Impedance	4~6	kΩ	
Environmental			
Operating Temperature Range	-40~+85	°C	-40 °F ~+185°F
Storage Temperature Range	-40~+125	°C	-40 °F ~+257 °F
Mechanical			
Weight	0.62	grams	
Media Compatibility	Clean, dry air & noncorrosive gases		
PERFORMANCE⁽¹⁾			
Offset voltage	±25	mV	1
Full scale span voltage	50~100	mV	1
Bridge Resistance	4~6	kΩ	1
Linearity	±0.3	% Span	2
Hysteresis	±0.7	% Span	1
Temperature Coefficient of Zero Offset	±0.08	% Span/°C	3
Temperature Coefficient of Span	-0.21	%Span/°C	3
Notes : 1. All values are Minimum/Maximum and are measured at 5 VDC and 25°C unless otherwise specified.			
2. Best fit straight line.			
3. Between 0 °C and 40 °C. Temperature coefficients are typical values.			

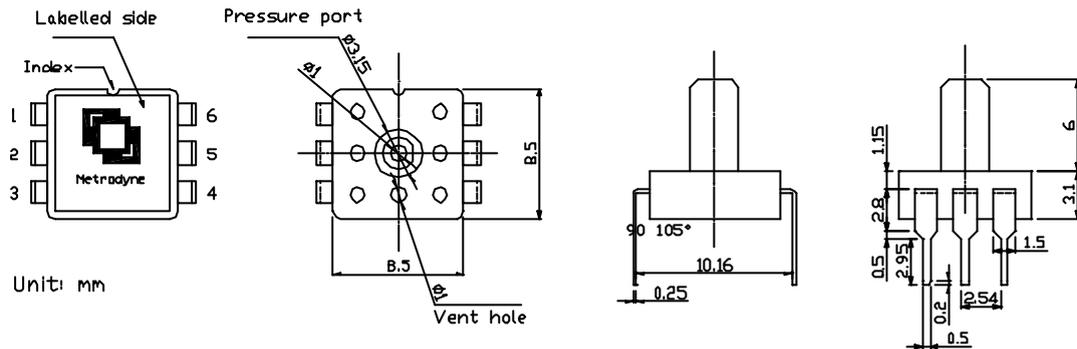


Terminal connection diagram

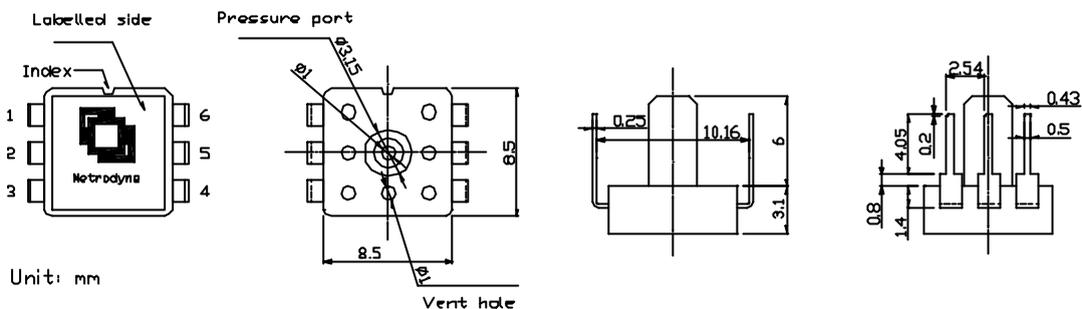


Outline dimensions

MPS-2100-006G



MPS-2100-006GR



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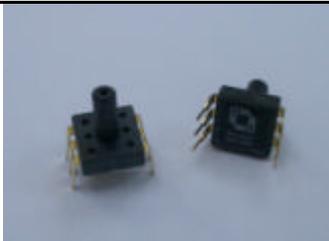
MPS-2110 series Pressure Sensor

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■ APPLICATIONS

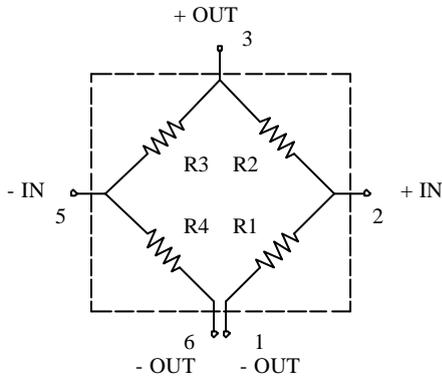
- Blood Pressure Meter
- Digital Pressure Gauges
- Environmental Monitoring
- Consumer & Sports
- Medical Instrumentation & Monitoring
- Disposable Blood Pressure

Pressure type	Gauge
	MPS-2110-006G
Model	

■ Specifications

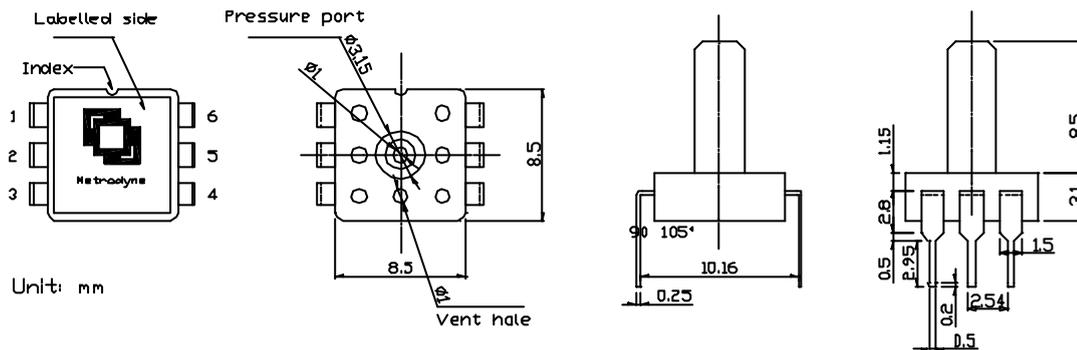
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■ Terminal connection diagram



■ Outline dimensions

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