



Leaded Strain Gages For General-Purpose Applications



FEATURES

- Pre-attached ribbon leads for faster, easier gage installations
- Linear, shear, Tee- and rectangular-rosette patterns with polyimide encapsulation
- Low cost alternative for test temperatures to +250°F (+120°C)

DESCRIPTION

Vishay Micro-Measurements L2A-Series strain gages are designed to save you time and money. The skill level necessary to make dependable installations is greatly reduced by the pre-attached leads. Further, installations of gages are simplified in difficult locations on components or in the field.

SPECIFICATIONS

Carrier Matrix: The “L2” matrix provides an encapsulated gage with pre-attached leadwires on a thin, high-performance laminated polyimide film backing.


Leadwires: 1.2 in (30mm) long, 0.016 in (0.4mm) wide, and 0.002 in (0.05mm) thick nickel-clad copper ribbon attached with +430°F (+220°C) lead-free solder.

Temperature Range: -100 to +250°F (-75 to +120°C)

Strain Range: ± 3%

Fatigue Life: 10⁵ cycles at ±1700 microstrain
10⁶ cycles at ±1500 microstrain

GAGE PATTERN Images may not be shown at actual size. ES = Each section CP = Complete pattern S = Section (S1 = Sec 1) M = Matrix	<input type="checkbox"/> inch <input type="checkbox"/> millimeter	GAGE DESIGNATION Insert desired S-T-C number in spaces marked XX.	RES. IN OHMS Tolerance is increased when Option W, E, SE, LE, or P is specified.	OPTIONS AVAILABLE

062LW				Widely used general-purpose gage.		
						
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH			
0.062	0.175	0.050	0.080			
1.52	4.45	1.27	2.03			
MATRIX SIZE	0.252L x 0.170W		6.40L x 4.32W		L2A-XX-062LW-120 L2A-XX-062LW-350	120 ± 0.6% 350 ± 0.6%

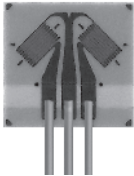
L2A-Series Strain Gages

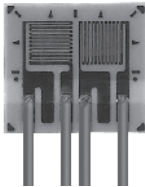
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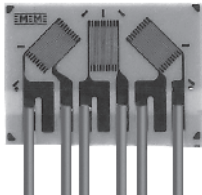


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062LV				Two-element 90° torque gage.		
						
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH			
0.062	0.214	0.050	0.215			
1.52	5.44	1.27	5.46			
MATRIX SIZE	0.255L x 0.265W		6.48L x 6.73W	L2A-XX-062LV-120	120 ± 0.6%	

062LT				General-purpose 90° rosette.		
						
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH			
0.062	0.164	0.070	0.170			
1.52	4.17	1.78	4.32			
MATRIX SIZE	0.210L x 0.290W		5.33L x 7.37W	L2A-XX-062LT-120 L2A-XX-062LT-350	120 ± 0.6% 350 ± 0.6%	

062LR				Small 45° rectangular single-plane rosette.		
						
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH			
0.062	0.185	0.050	0.260			
1.52	4.70	1.27	6.60			
MATRIX SIZE	0.277L x 0.410W		7.04L x 10.41W	L2A-XX-062LR-120 L2A-XX-062LR-350	120 ± 0.6% 350 ± 0.6%	

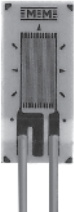


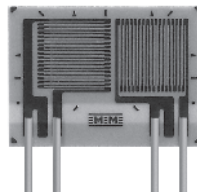
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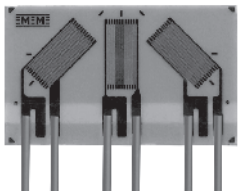
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125LW							Widely used general-purpose gage.			
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH							
0.125	0.238	0.070	0.080							
3.18	8.05	1.78	2.03							
MATRIX SIZE	0.315L x 0.170W		8.00L x 4.32W		L2A-XX-125LW-120 L2A-XX-125LW-350		120 ± 0.6% 350 ± 0.6%			

125LT							General-purpose 90° rosette.			
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH							
0.125	0.243	0.150	0.340							
3.18	6.17	3.81	8.64							
MATRIX SIZE	0.290L x 0.400W		7.37L x 10.16W		L2A-XX-125LT-120 L2A-XX-125LT-350		120 ± 0.6% 350 ± 0.6%			

125LR							General-purpose 45° rectangular single-plane rosette.			
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH							
0.125	0.245	0.070	0.415							
3.18	6.22	1.78	10.54							
MATRIX SIZE	0.290L x 0.475W		7.37L x 12.06W		L2A-XX-125LR-120 L2A-XX-125LR-350		120 ± 0.6% 350 ± 0.6%			

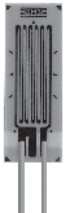
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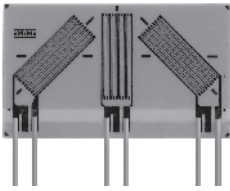
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250LW							Widely used general-purpose gage.		
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH	L2A-XX-250LW-120 L2A-XX-250LW-350	120 ± 0.6% 350 ± 0.6%				
0.250	0.363	0.100	0.100						
6.35	9.22	2.54	2.54						
MATRIX SIZE	0.440L x 0.170W		11.18L x 4.32W						

250LR							General-Purpose 45° rectangular single-plane rosette.		
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH	L2A-XX-250LR-120 L2A-XX-250LR-350	120 ± 0.6% 350 ± 0.6%				
0.250	0.373	0.100	0.655						
6.35	9.47	2.54	16.64						
MATRIX SIZE	0.420L x 0.715W		10.67L x 18.16W						