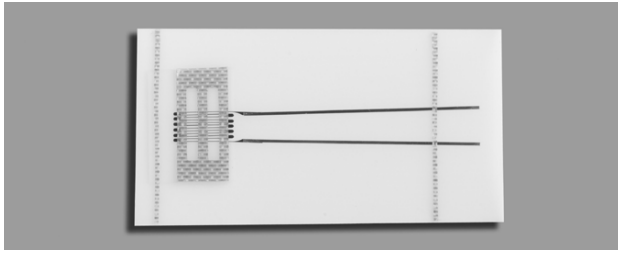


Special Use Strain Gages - High-Temperature Strain Gages



FEATURES

- Measurement range to 2100 °F (1150 °C)
- Free-filament Kanthal alloy grids for bonding with ceramic adhesives.
- Linear and Tee-rosette patterns



RoHS
COMPLIANT


ZC-Series strain gages are etched Kanthal (Fe-Cr-Al alloy) foil grids in free-filament form for high-temperature applications. They are bonded with either ceramic adhesives, or by the use of flame spray or Rokide® processes.


ZC-Series strain gages cannot be self-temperature compensated, and a dummy compensating gage must be used for minimizing of thermally induced apparent strain

(thermal output). Several patterns are available with built-in compensating grids.

ZC-Series strain gages are supplied with a removable high-temperature carrier for gage handling during installation. All patterns have 1 in (25.4 mm) Nichrome ribbon leads spot welded to the gage tabs for leadwire attachment.


GAGE PATTERN		inch millimeter	GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE
Not shown actual size. Enlarged when necessary for definition.					


G1262				Square linear pattern.		
						
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH			
0.062	0.150	0.076	0.076			
1.57	3.81	1.93	1.93			
MATRIX SIZE	N/A			ZC-NC-G1262-120	120	


G1263				Wide linear pattern.		
						
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH			
0.100	0.248	0.179	0.179			
2.54	6.30	4.55	4.55			
MATRIX SIZE	N/A			ZC-NC-G1263-120	120	

Special Use Strain Gages - High-Temperature Strain Gages

GAGE PATTERN	GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE		
Not shown actual size. Enlarged when necessary for definition. <table border="1" style="float: right; margin-left: 20px;"> <tr> <td>inch</td> </tr> <tr> <td>millimeter</td> </tr> </table>	inch	millimeter			
inch					
millimeter					

G1264				Linear pattern with inactive temperature-compensating grid.		
						
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH			
0.100	0.310	0.179	0.430			
2.54	7.87	4.55	10.92			
MATRIX SIZE	N/A					


G1265				Linear pattern.		
						
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH			
0.138	0.300	0.138	0.138			
3.51	7.62	3.51	3.51			
MATRIX SIZE	N/A					

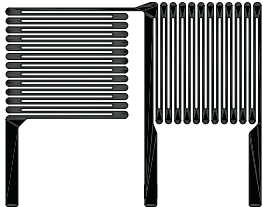
G1266 G1272				Linear pattern. Higher resistance linear pattern.		
						
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH			
0.200	0.380	0.135	0.135			
5.08	9.65	3.43	3.43			
MATRIX SIZE	N/A					

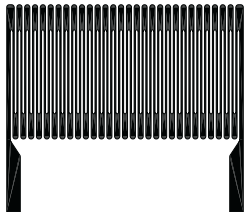
High-Temperature Patterns

Special Use Strain Gages - High-Temperature Strain Gages

GAGE PATTERN	GAGE DESIGNATION	RES. IN OHMS	OPTIONS AVAILABLE		
Not shown actual size. Enlarged when necessary for definition. <table border="1" style="float: right; margin-left: 20px;"> <tr> <td style="text-align: center;">inch</td> </tr> <tr> <td style="text-align: center;">millimeter</td> </tr> </table>	inch	millimeter			
inch					
millimeter					

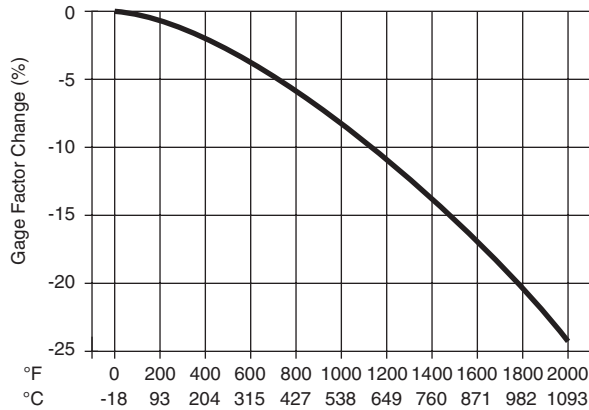
G1267				Linear pattern with inactive temperature-compensating grid.		
						
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH			
0.200	0.503	0.134	0.442			
5.08	12.78	3.40	11.23			
MATRIX SIZE	N/A			ZC-NC-G1267-120	120	

G1269 G1275				Tee-rosette pattern in half-bridge configuration.		
						
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH			
0.125	0.278	0.150	0.346			
3.18	7.06	3.81	8.79			
MATRIX SIZE	N/A			ZC-NC-G1269-200 ZC-NC-G1275-350	200 350	

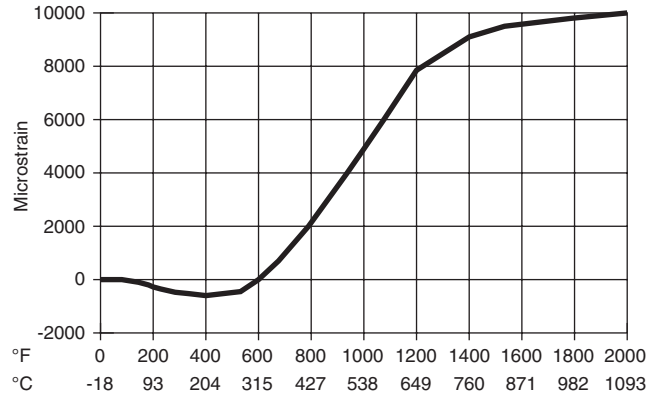
G1270				Higher resistance linear pattern.		
						
GAGE LENGTH	OVERALL LENGTH	GRID WIDTH	OVERALL WIDTH			
0.100	0.250	0.280	0.300			
2.54	6.35	7.11	7.62			
MATRIX SIZE	N/A			ZC-NC-G1270-350	350	

Special Use Strain Gages - High-Temperature Strain Gages

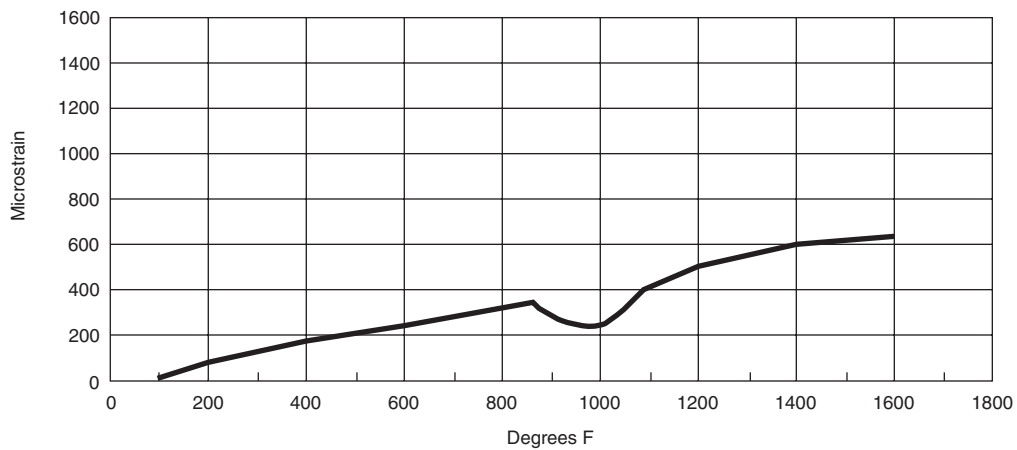
GAGE FACTOR VARIATION WITH TEMPERATURE FOR ZC-SERIES GAGE



TYPICAL APPARENT STRAIN ZC-SERIES GAGE ON TITANIUM WITH H CEMENT



APPARENT STRAIN/THERMAL OUTPUT ZC-NC-G1267-120 GAGE



Disclaimer

All product specifications and data are subject to change without notice.

Vishay Precision Group, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Vishay Precision Group"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained herein or in any other disclosure relating to any product.

Vishay Precision Group disclaims any and all liability arising out of the use or application of any product described herein or of any information provided herein to the maximum extent permitted by law. The product specifications do not expand or otherwise modify Vishay Precision Group's terms and conditions of purchase, including but not limited to the warranty expressed therein, which apply to these products.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of Vishay Precision Group.

The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications unless otherwise expressly indicated. Customers using or selling Vishay Precision Group products not expressly indicated for use in such applications do so entirely at their own risk and agree to fully indemnify Vishay Precision Group for any damages arising or resulting from such use or sale. Please contact authorized Vishay Precision Group personnel to obtain written terms and conditions regarding products designed for such applications.

Product names and markings noted herein may be trademarks of their respective owners.