



# PRECISION STRAIN GAGE

## ROSETTE STRAIN GAGES 0/45/90° AND 0/60/120° RECTANGULAR AND DELTA, 3 ELEMENT

OMEGADYNE® offers planar and stacked rosettes. Planar rosettes have all 3 strain gage elements in one plane. Stacked rosettes have the 3 strain gage elements stacked one on top of the other. Consider the difference when you make your strain gage selection. Planar rosettes have some advantages over stacked rosettes. Planar rosettes tend

to be thinner and more flexible. They can be used on curved surfaces and conform better to the irregular surfaces. Reinforcement effects of planar gages are minimized. Planar rosettes have superior heat dissipation capability, and better stability. Stacked rosettes are thicker and stiffer because you have the

multiple layers stacked on top of one another. They do not disperse heat as well when voltage is applied to them.

**Custom-Designed Strain Gages Available!**  
No Minimum Quantities. Consult Engineering.

**MOST POPULAR MODELS HIGHLIGHTED!**

See page 66

To Order (Specify Model Number)										
	MODEL NO.	NOM. RESISTANCE (Ω)	DIMENSIONS mm (in) <sup>†</sup>				MAX V* (Vrms)	TERMINATION <sup>1</sup>	TEMP COMP <sup>2</sup>	TERM PAD
			GRID		CARRIER					
			A	B	C	D				
<b>0/45/90° RECTANGULAR 3 ELEMENT</b>										
 Shown actual size, 16 mm	SGD-3/120-RY11	120	3.00	2.90	16.00	16.00	5.5	L	ST	BTP-3
	SGD-3/120-RY13	120	Three-element 45° rectangular planar rosette				8	L	AL	
	SGD-3/120-RY31	120	120 Ω				5.5	SP	ST	
	SGD-3/120-RY33	120					8	SP	AL	
 Shown actual size, 16 mm	SGD-3/350-RY11	350	3.00	2.90	16.00	16.00	9.5	L	ST	BTP-3
	SGD-3/350-RY13	350	Three-element 45° rectangular planar rosette				13	L	AL	
	SGD-3/350-RY31	350	350 Ω				9.5	SP	ST	
	SGD-3/350-RY33	350					13	SP	AL	

To Order (Specify Model Number)										
	MODEL NO.	NOM. RESISTANCE (Ω)	DIMENSIONS mm (in) <sup>†</sup>				MAX V* (Vrms)	TERMINATION <sup>1</sup>	TEMP COMP <sup>2</sup>	TERM PAD
			GRID		CARRIER					
			A	B	C	D				
<b>0/60/120° DELTA 3-ELEMENT</b>										
 Shown actual size, 16 mm	†SGD-3/120-RY41	120	3.00	2.90	16.00	16.00	5.5	L	ST	BTP-3
	SGD-3/120-RY43	120	Three-element 60° delta planar rosette				8	L	AL	
	†SGD-3/120-RY71	120	120 Ω				5.5	L	ST	
	†SGD-3/120-RY73	120					8	L	AL	
 Shown actual size, 16 mm	†SGD-3/350-RY41	350	3.00	2.90	16.00	16.00	9.5	L	ST	BTP-3
	†SGD-3/350-RY43	350	Three-element 60° delta planar rosette				13	L	AL	
	†SGD-3/350-RY71	350	350 Ω				9.5	SP	ST	
	†SGD-3/350-RY73	350					13	SP	AL	

† For dimensions key, see page 24.  
 \* Maximum permitted bridge energizing voltage (Vrms).  
 Note: For strain gage accessories see pages 59 to 61.  
 Ordering Example: SGD-3/350-RY33, 350 Ω nominal-resistance strain gage,

**NOTE**  
 1: L = Ribbon Lead  
 SP = Solder Pad  
 2: ST = Steel  
 AL = Aluminum