

PRECISION STRAIN GAGE RECTANGULAR CORNER ROSETTES AND RESIDUAL STRESS PATTERN



MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

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

See page E-63

MODEL NO.	PRICE PER PKG OF 5	NOM. RESISTANCE (Ω)	DIMENSIONS mm (in) [†]				MAX PERMITTED BRIDGE ENERGIZING VOLTAGE (Vrms)	TERMINATION	TEMP COMP	TERM PAD		
			GRID		CARRIER							
			A	B	C	D						
RECTANGULAR CORNER ROSETTE												
Shown actual size, 27 mm, leads not shown 	SGD-13/120-RY91	\$135	120	11.0 (0.433)	5.0 (0.197)	27.0 (1.06)	27.0 (1.06)	Corner rosette extra-large 120 Ω	15	Ribbon Leads	ST	BTP-6
	SGD-13/120-RY93	135	120						20	Ribbon Leads	AL	
	SGD-13/120-RY21	119	120						15	Solder Pads	ST	
	SGD-13/120-RY23	119	120						20	Solder Pads	AL	

Open-face gages available. Consult Pressure Sales and Engineering.
 Note: For strain gage accessories see pages E-56 to E-59.
 Ordering Example: SGD-13/120-RY91, 120 Ω nominal-resistance strain gage, \$135.

NOTE ST = Steel
AL = Aluminum

To Order (Specify Model Number)

See page E-63

MODEL NO.	PRICE PER PKG OF 5	NOM. RESISTANCE (Ω)	DIMENSIONS mm (in) [†]				MAX PERMITTED BRIDGE ENERGIZING VOLTAGE (Vrms)	TERMINATION	TEMP COMP	TERM PAD		
			GRID		CARRIER							
			A	B	C	D						
RESIDUAL STRESS PATTERN ROSETTE												
Shown actual size, 10.5 mm Leads not shown	SGD-1.5/120-SR11	\$135	120	1.20 (0.047)	1.33 (0.052)	10.50 (0.413)	10.50 (0.413)	Residual stress pattern 120 Ω	2.5	Ribbon Leads	ST	BTP-1
	SGD-1.5/120-SR13	135	120						3.5	Ribbon Leads	AL	
	SGD-1.5/120-SR41	119	120						2.5	Solder Pads	ST	
	SGD-1.5/120-SR43	119	120						3.5	Solder Pads	AL	

DISCOUNT SCHEDULE

1 to 10 pkgsNet
11 to 24 pkgs5%
25 to 49 pkgs10%
50 and up and OEMConsult Factory

Open-face gages available. Consult Pressure Sales and Engineering.
 Note: For strain gage accessories see pages E-56 to E-59.
 Ordering Example: SGD-1.5/120-SR11, 120 Ω nominal-resistance strain gage, \$135.

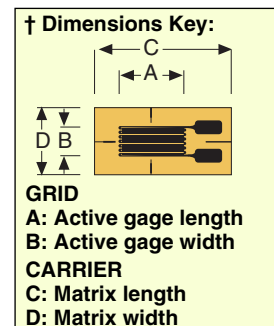
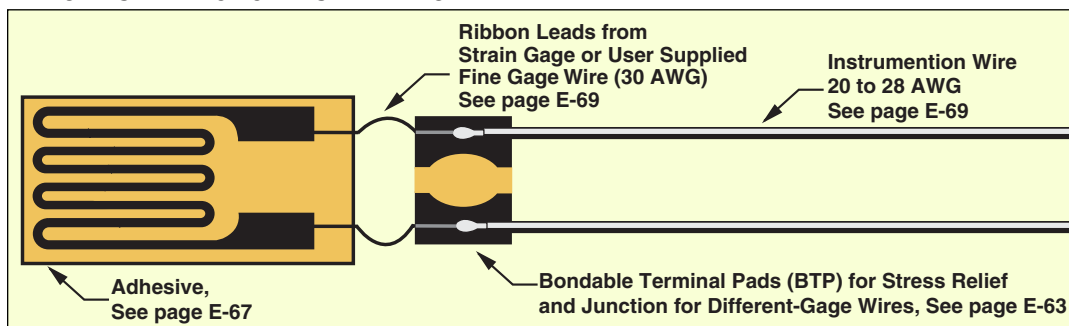
See Equations on Page E-14

OMEGA® offers stress relief or residual stress pattern strain gages. These strain gages are mounted onto a test piece

that is already stressed. Instrumentation is attached to all 3 elements in the rosette. The stress magnitude is determined by unloading the test specimen by boring-out or drilling a

small hole in the center of the strain gage. By removing material you are releasing the stress, and measuring the relaxed residual stress in the vicinity of the hole. Hole diameter and depth is 1.85 mm (0.07")

TYPICAL STRAIN GAGE INSTALLATION



STRAIN GAGES E



UNITED STATES

www.omega.com
1-800-TC-OMEGA
Stamford, CT.

CANADA

www.omega.ca
Laval(Quebec)
1-800-TC-OMEGA

GERMANY

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0800-8266342

UNITED KINGDOM

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CZECH REPUBLIC

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• Temperature

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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters