

TRANSDUCER STRAIN GAGE ACCESSORIES

SPAN TEMPERATURE-COMPENSATION RESISTOR

Starts at
\$19
Pkg of 5

SPECIFICATIONS

Foil Measuring Grid:

Nickel foil 5 microns thick

Carrier: Polyimide

Substrate Thickness: 20 microns

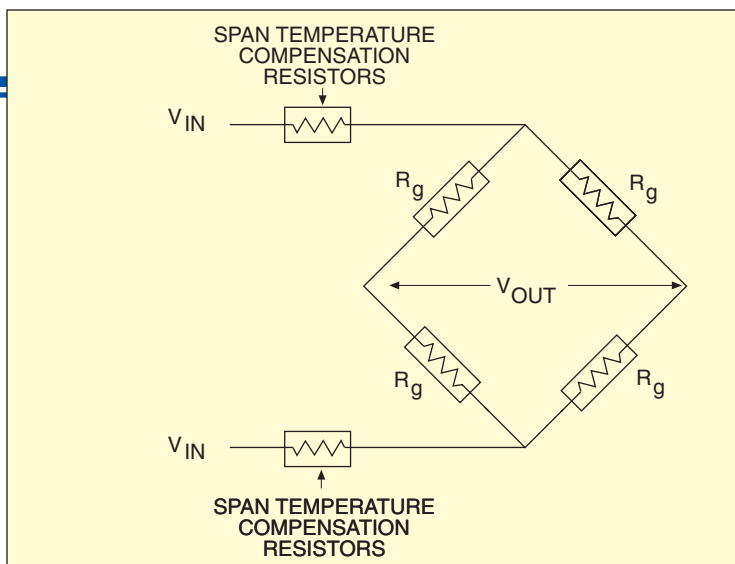
Cover Thickness: 25 microns

Tolerance in Ω : $\pm 1 \Omega$

Temp Coefficient of Resistance:


0.6%/°C (0.34%/°F)

Temperature Range: 0 to 100°C (32 to 212°F)



MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

| TEMPERATURE COMPENSATION RESISTORS ENCAPSULATED | MODEL NO. | PRICE PER PKG OF 5 | NOMINAL RESISTANCE (Ω) | DIMENSIONS mm (in)* | | | |
|--|------------|-----------------------|------------------------------------|------------------------|----------------|----------------|----------------|
| | | | | GRID | | CARRIER | |
| | | | | A | B | C | D |
|  <p>Typical resistor pattern. See selection guide, page E-8, for exact pattern. Open-face resistors available. Consult Pressure Sales and Engineering.</p> | SGN-2/20-E | \$19 | 20 | 1.9 (0.075) | 3 (0.118) | 4.8 (0.189) | 4 (0.157) |
| | SGN-2/25-E | 19 | 25 | 1.9 (0.075) | 3 (0.118) | 4.8 (0.189) | 4 (0.157) |
| | SGN-2/30-E | 19 | 30 | 1.9 (0.075) | 3 (0.118) | 4.8 (0.189) | 4 (0.157) |
| | SGN-3/10-E | 19 | 10 | 3.2 (0.126) | 3.2 (0.126) | 8.6 (0.339) | 5.2 (0.205) |
| | SGN-3/12-E | 19 | 12 | 3.2 (0.126) | 3.2 (0.126) | 8.6 (0.339) | 5.2 (0.205) |
| | SGN-3/34-E | 19 | 34 | 3 (0.118) | 3.2 (0.126) | 7.3 (0.287) | 4.8 (0.189) |
| | SGN-3/36-E | 19 | 36 | 3 (0.118) | 3.2 (0.126) | 7.3 (0.287) | 4.8 (0.189) |
| | SGN-4/14-E | 19 | 14 | 4 (0.157) | 3.2 (0.126) | 8.8 (0.346) | 4.8 (0.189) |
| | SGN-4/16-E | 19 | 16 | 4 (0.157) | 3.2 (0.126) | 8.8 (0.346) | 4.8 (0.189) |
| | SGN-4/20-E | 19 | 20 | 4 (0.157) | 3.2 (0.126) | 8.8 (0.346) | 4.8 (0.189) |
| | SGN-4/24-E | 19 | 24 | 4 (0.157) | 3.2 (0.126) | 8.8 (0.346) | 4.8 (0.189) |
| | SGN-4/28-E | 19 | 28 | 4 (0.157) | 3.2 (0.126) | 8.8 (0.346) | 4.8 (0.189) |
| | SGN-4/30-E | 19 | 30 | 4 (0.157) | 3.2 (0.126) | 8.8 (0.346) | 4.8 (0.189) |
| | SGN-4/32-E | 19 | 32 | 4 (0.157) | 3.2 (0.126) | 8.8 (0.346) | 4.8 (0.189) |
| | SGN-4/48-E | 19 | 48 | 4 (0.157) | 3.2 (0.126) | 8.8 (0.346) | 4.8 (0.189) |
| SGN-4/60-E | 19 | 60 | 4 (0.157) | 3.2 (0.126) | 8.8 (0.346) | 4.8 (0.189) | |

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

* For dimensions key, see page E-7. ** For accessory terminal pads, see page E-49.

Ordering Example: SGN-4/28-E, 24 Ω nominal-resistance span temperature-compensation resistor, \$19.

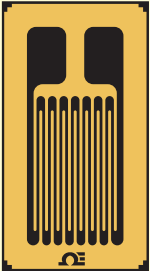
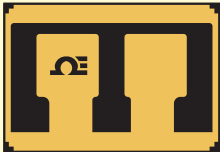
TRANSDUCER-QUALITY STRAIN GAGES

SPAN TEMPERATURE-COMPENSATION, BRIDGE-BALANCING, AND ZERO TEMPERATURE-COMPENSATION RESISTORS

| SPECIFICATIONS | RES-C | RES-N |
|--------------------------------|---------------------------------|-----------------------------|
| Foil Measuring Grid | Constantan foil 5 microns thick | Nickel foil 5 microns thick |
| Carrier | Polyimide | Polyimide |
| Substrate Thickness | 20 microns | 20 microns |
| Tolerance in Ω | $\pm 1 \Omega$ | $\pm 1 \Omega$ |
| Temp Coefficient of Resistance | — | 0.6%/°C (0.34%/°F) |
| Temperature Range | -75 to 200°C (-100 to 392°F) | 0 to 100°C (32 to 212°F) |

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

| TEMPERATURE-COMPENSATED RESISTORS OPEN FACE | MODEL NO. | PRICE PER PKG OF 5 | NOMINAL RESISTANCE (Ω) | DIMENSIONS mm (in)* | | | |
|--|-----------|--------------------|---------------------------------|---------------------|----------------|----------------|----------------|
| | | | | GRID | | CARRIER | |
| | | | | A | B | C | D |
|  <p>Typical resistor pattern. See selection guide, page E-8, for exact pattern. Open-face resistors available. Consult Pressure Sales and Engineering.</p> <p>Custom-Designed Strain Gages Available! No Minimum Quantities. Consult Engineering.</p> | SGN-2/20 | \$16 | 20 | 1.9 (0.075) | 3 (0.118) | 4.8 (0.189) | 4 (0.157) |
| | SGN-2/25 | 16 | 25 | 1.9 (0.075) | 3 (0.118) | 4.8 (0.189) | 4 (0.157) |
| | SGN-2/30 | 16 | 30 | 1.9 (0.075) | 3 (0.118) | 4.8 (0.189) | 4 (0.157) |
| | SGN-3/10 | 16 | 10 | 3.2 (0.126) | 3.2 (0.126) | 8.6 (0.339) | 5.2 (0.205) |
| | SGN-3/12 | 16 | 12 | 3.2 (0.126) | 3.2 (0.126) | 8.6 (0.339) | 5.2 (0.205) |
| | SGN-3/34 | 16 | 34 | 3 (0.118) | 3.2 (0.126) | 7.3 (0.287) | 4.8 (0.189) |
| | SGN-3/36 | 16 | 36 | 3 (0.118) | 3.2 (0.126) | 7.3 (0.287) | 4.8 (0.189) |
| | SGN-4/14 | 16 | 16 | 4 (0.157) | 3.2 (0.126) | 8.8 (0.346) | 4.8 (0.189) |
| | SGN-4/16 | 16 | 16 | 4 (0.157) | 3.2 (0.126) | 8.8 (0.346) | 4.8 (0.189) |
| | SGN-4/20 | 16 | 20 | 4 (0.157) | 3.2 (0.126) | 8.8 (0.346) | 4.8 (0.189) |
| | SGN-4/24 | 16 | 24 | 4 (0.157) | 3.2 (0.126) | 8.8 (0.346) | 4.8 (0.189) |
| | SGN-4/28 | 16 | 28 | 4 (0.157) | 3.2 (0.126) | 8.8 (0.346) | 4.8 (0.189) |
| | SGN-4/30 | 16 | 30 | 4 (0.157) | 3.2 (0.126) | 8.8 (0.346) | 4.8 (0.189) |
| | SGN-4/32 | 16 | 32 | 4 (0.157) | 3.2 (0.126) | 8.8 (0.346) | 4.8 (0.189) |
| | SGN-4/48 | 16 | 48 | 4 (0.157) | 3.2 (0.126) | 8.8 (0.346) | 4.8 (0.189) |
| SGN-4/60 | 16 | 60 | 4 (0.157) | 3.2 (0.126) | 8.8 (0.346) | 4.8 (0.189) | |
| BRIDGE-BALANCING AND ZERO TEMPERATURE-COMPENSATION RESISTORS | | | | | | | |
|  | RES-2C | \$10 | 2 | 3.4 (0.134) | 6.3 (0.248) | 4.6 (0.181) | 6.7 (0.264) |
| | RES-5C | 10 | 5 | 3.4 (0.134) | 6.3 (0.248) | 4.6 (0.181) | 6.7 (0.264) |
| | RES-2N | 10 | 2 | 3.4 (0.134) | 6.3 (0.248) | 4.6 (0.181) | 6.7 (0.264) |
| | RES-5N | 10 | 5 | 3.4 (0.134) | 6.3 (0.248) | 4.6 (0.181) | 6.7 (0.264) |

* For dimensions key, see page E-7. ** For accessory terminal pads, see page E-49.

Ordering Example: SGN-4/48, 48 Ω nominal-resistance span temperature-compensation resistor, \$16.

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