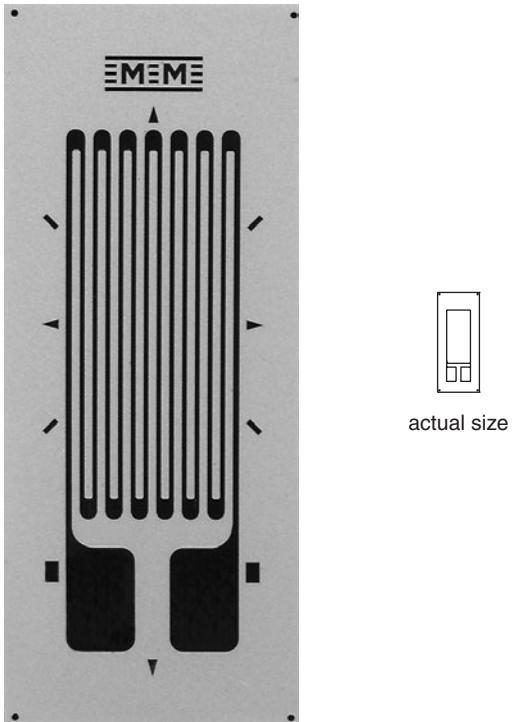


General Purpose Strain Gages—Linear Pattern

| GAGE PATTERN DATA | | | | | |
|---|-----------------------|---|---|--|---|
|  | | | GAGE DESIGNATION See Note 1, 3 | RESISTANCE (OHMS) See Note 2 | OPTIONS AVAILABLE See Note 3 |
| | | | EA-XX-250BG-120 ED-DY-250BG-350 WA-XX-250BG-120 WK-XX-250BG-350 EP-XX-250BG-120 SA-XX-250BG-120 SK-XX-250BG-350 SD-DY-250BG-350 WD-DY-250BG-350 | 120 ± 0.15% 350 ± 0.3% 120 ± 0.3% 350 ± 0.3% 120 ± 0.15% 120 ± 0.3% 350 ± 0.3% 350 ± 0.6% 350 ± 0.6% | W, E, L, LE, P E, L*, LE* W* W* |
| DESCRIPTION Widely used general-purpose gage. Compact geometry. See also 250UN pattern. | | | | | |
| GAGE DIMENSIONS | | Legend ES = Each Section CP = Complete Pattern S = Section (S1 = Section 1) M = Matrix | | | |
| | | | | inch | |
| | | | | millimeter | |
| Gage Length | Overall Length | Grid Width | Overall Width | Matrix Length | Matrix Width |
| 0.250 | 0.375 | 0.125 | 0.125 | 0.52 | 0.22 |
| 6.35 | 9.53 | 3.18 | 3.18 | 13.2 | 5.6 |

| GAGE SERIES DATA — See Gage Series datasheet for complete specifications | | | |
|---|---|--------------|-----------------------------------|
| Series | Description | Strain Range | Temperature Range |
| EA | Constantan foil in combination with a tough, flexible, polyimide backing. | ±5% | -100° to +350°F (-75° to +175°C) |
| ED | Isoelastic foil in combination with tough, flexible polyimide film. | ±2% | -320° to +400°F (-195° to +205°C) |
| WA | Fully encapsulated constantan gages with high-endurance leadwires. | ±2% | -100° to +400°F (-75° to +205°) |
| WK | Fully encapsulated K-alloy gages with high-endurance leadwires. | ±1.5% | -452° to +550°F (-269° to +290°C) |
| EP | Annealed constantan foil with tough, high-elongation polyimide backing. | ±20% | -100° to +400°F (-75° to +205°C) |
| SA | Fully encapsulated constantan gages with solder dots. | ±2% | -100° to +400°F (-75° to +205°C) |
| SK | Fully encapsulated K-alloy gages with solder dots. | ±1.5% | -452° to +450°F (-269° to +230°C) |
| SD | Equivalent to WD Series, but with solder dots instead of leadwires. | ±1.5% | -320° to +400°F (-195° to +205°C) |
| WD | Fully encapsulated isoelastic gages with high-endurance leadwires. | ±1.5% | -320° to +500°F (-195° to +260°C) |

Note 1: Insert desired S-T-C number in spaces marked XX.

Note 2: Tolerance is increased when Option W, E, SE, LE, or P is specified.

Note 3: Products with designations and options shown in **bold** are not RoHS compliant.

*Options available but not normally recommended. See Optional Features datasheet for details.



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