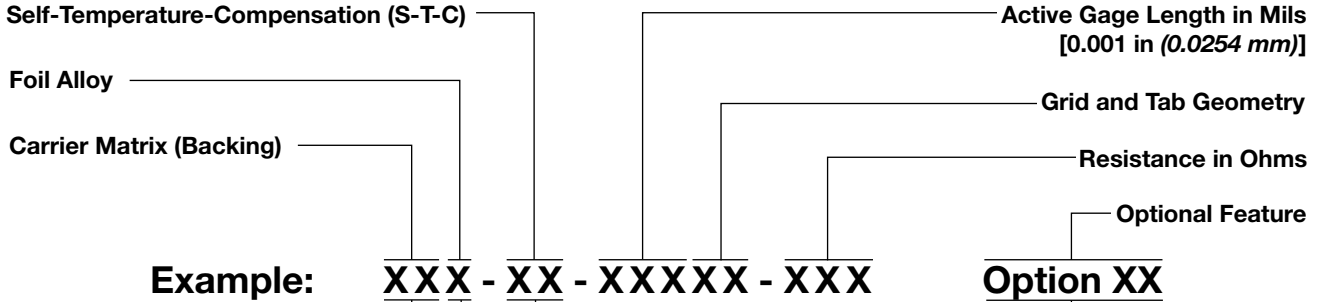


**Stress Analysis Strain Gages**

The Strain Gage Designation System described below applies to Micro-Measurements General-Use Strain Gages.



**E:** Open-faced cast polyimide backing.

**CE:** Thin, flexible gages with a cast polyimide backing and encapsulation featuring large, rugged, copper-coated solder tabs. This construction provides optimum capability for direct leadwire attachment.

**L2:** Thin, laminated, polyimide-film backing featuring encapsulated grids with preattached leadwire ribbons.

**C2:** Thin, laminated, polyimide-film backing featuring encapsulated grids with leadwire cables.

**W:** Fully encapsulated, glass-fiber-reinforced epoxy phenolic resin. High endurance leadwires.

**N2:** The 'N2' matrix provides an open faced gage on a thin, high-performance laminated polyimide film backing.

**S2:** Gage grid and solder tabs fully encapsulated in a thin, flexible, laminated polyimide film. Provided with large [0.030 in (0.75 mm)] solder pads for ease of leadwire attachment.

**S:** Full encapsulation identical to the W matrix, but with solder dot connections instead of leadwires.

**A:** Constantan alloy in self-temperature-compensated form.

**P:** Annealed Constantan.

**D:** Isoelastic alloy.

**K:** Nickel-chromium alloy (similar to Karma).

The S-T-C number is the approximate thermal expansion coefficient in ppm/°F of the structural material on which the gage is to be used. The following S-T-C numbers are available:

**A:** 00, 03, 05, 06, 09, 13, 15, 18, 30, 50

**P:** 08, 40

**K:** 00, 03, 05, 06, 09, 13, 15

**D:** Not available in self-temperature-compensated form. 'DY' is used instead.

**W:** Integral printed circuit terminal, polyimide encapsulation.

**E:** Polyimide encapsulation, leaving a portion of solder tab exposed.

**SE:** Solder dots plus polyimide encapsulation.

**L:** Preattached, soft, formable copper leads.

**LE:** Leads plus polyimide encapsulation.

**P:** Preattached leadwire cables and encapsulation.

**P2:** Preattached leadwire cables for CEA-Series gages.



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