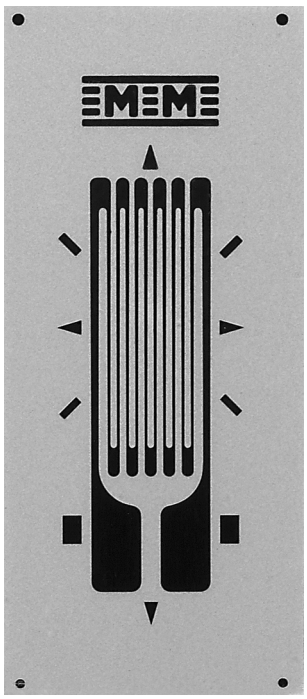
General Purpose Strain Gages - Linear Pattern

GAGE PATTERN DATA



actual size

GAGE DESIGNATION See Note 1, 3	RESISTANCE (OHMS) See Note 2	OPTIONS AVAILABLE See Note 3
EA-XX-125BT-120	120 ± 0.15%	W, E, L, LE, **P**
ED-DY-125BT-350	350 ± 0.3%	E, L*, LE*
WA-XX-125BT-120	120 ± 0.3%	W*
WK-XX-125BT-350	350 ± 0.3%	**W***
EP-08-125BT-120	120 ± 0.15%	
SA-XX-125BT-120	120 ± 0.3%	
SK-XX-125BT-350	350 ± 0.3%	
SD-DY-125BT-350	350 ± 0.6%	
WD-DY-125BT-350	350 ± 0.6%	

DESCRIPTION

General-purpose gage with narrow grid and compact geometry. See also 125BZ pattern.

GAGE DIMENSIONS

Legend: ES = Each Section; S = Section (S1 = Sec 1); CP = Complete Pattern; M = Matrix

inch / millimeter

Gage Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
0.125	0.215	0.062	0.062	0.37	0.16
3.18	5.46	1.57	1.57	9.4	4.1

GAGE SERIES DATA

See Gage Series data sheet 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°C]
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 data sheet for details.