

Crack Gages

Bonded to the cracked part of a structure or material (or a part of such material where a crack is predicted to develop), the KV series gages measure the developing length and velocity of the crack.

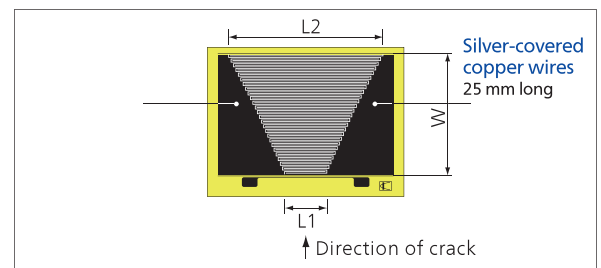
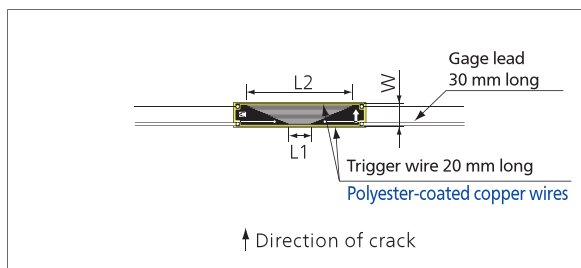
Different from usual strain gages, the grids of the KV series gages are cut along with crack development, resulting in resistance change.

Applicable Adhesives

CC-33A
CC-36
PC-600

- Progress and propagation velocity of the crack are electrically obtained.
- Applicable to both flat and curved surfaces.
- Resistance change vs crack length is virtually linear.
- Dedicated adapter enables use of a conventional strain amplifier.
- Extremely simple and convenient compared with the conventional optical method.
- 2 trigger wires each in front of and behind the grid (KV-5C) can be used for automation of measurement.

KV Uniaxial



Models	KV-5C
Pattern	Uniaxial
Base	30 × 5 mm
Gage (Grid)	L1= 5.4 mm L2= 25.2 mm W= 4.6 mm Pitch= 0.1 mm
Number of Grids	46
Resistance	Approx. 1.0 Ω
Pieces per Pack	5

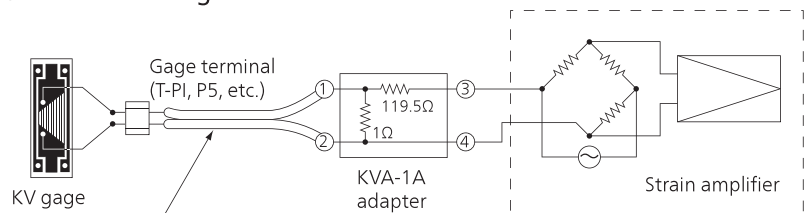
Models	KV-25B
Pattern	Uniaxial
Base	42 × 32 mm
Gage (Grid)	L1= 9 mm L2= 33.6 mm W= 25.2 mm Pitch= 1 mm
Number of Grids	26
Resistance	Approx. 1.0 Ω
Pieces per Pack	5

Adapter KVA-1A (Optional Accessory)



Dimensions: 35×20×15mm

Connection Diagram



Note: Use lead wires with a low resistance to connect to the adapter (0.1Ω or less).

When ordering, specify the model number as follows.

KV-5C
KV-25B

*Gage (Grid): Length × Width

**Concentrations of the 10 restricted substances designated in ANNEXII of RoHS Directive are less than the maximum allowable (Excluding exceptions for applying usage prohibition measures).