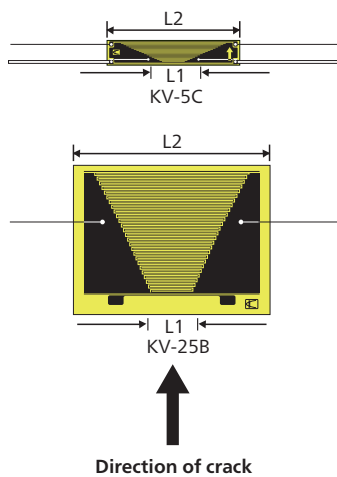


# Crack Gages



## KV Series Crack Gages



### Adapter KVA-1A (option)



Bonded to a cracked or crack-expected part of structures and materials, the KV series gages measure the propagation length and velocity of the crack. Different from usual strain gages, the grid of the KV series gages is cut along with crack development, resulting in resistance change. (Utility model)

### Features

- Progress and propagation velocity of a crack are electrically obtained.
- High response speed.
- Applicable to both flat and curved surfaces.
- Resistance change versus 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 before and behind the grid (KV-5C) can be used for automation of measurement.

### Specifications

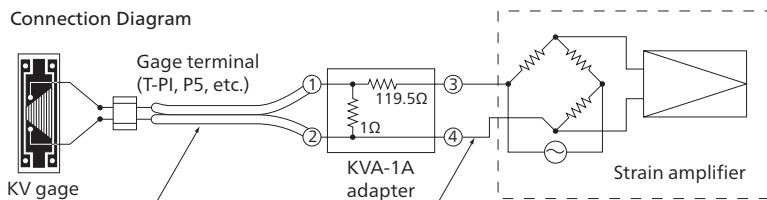
Model	Resistance (Ω)	Base Size (mm)	Crack size (mm)				Pieces per pack
			L1	L2	W	Pitch	
KV-5C	Approx.1	30×5	5.4	25.2	4.6	0.1	46piece
KV-25B	Approx.1	42×32	9	33.6	25.2	1	26piece

Applicable adhesives : CC-33A, CC-36, PC-600

Adapter : KVA-1A (option)

Dimensions : 35 x 20 x 15 mm

### Connection Diagram



Note : A lead-wire for connection to adaptor uses the one with a low resistance (0.1 Ω or less)