Bending Strain Measuring Gages

Pattern, Gage Resistance, Gage Factor	Model	Dimensions (mm) Grid Base Length Width Length Width	Remarks				
●KFF Series Foil Strain Gages for Bending Strain Measurement							
Uniaxial 350Ω gages Resistance : 350Ω , Gage factor : Approx. 2.1	The KFF series foil strain gages have one each sensing element on both the upper and lower sides of the thick plastic base. Thus, if a gage cannot be bonded directly to the inside of the measuring object as in the case of measuring stress due to internal pressure in high-pressure vessels or stress measurement in box structures such as bridge girders, the KFF series gages can be bonded to the surface to obtain strain at the rear.						
	Applicable Adhesives and Operating Temperature Range after Curing CC-33A: -50 to 80°C EP-34B: -50 to 80°C EP-18: -50 to 80°C						
	KFF-30-350-C11-11						
	KFF-30-350-C11-16	30×7×1	Pieces per pack				
	KFF-30-350-C11-23						
	KFF-30-350-C12-11						
	KFF-30-350-C12-16	30×7×2	Pieces per pack				
	KFF-30-350-C12-23						

Gages with Protector

●KCH Series Foil Strain Gages with Protector



The unique design simplifies gage bonding, wiring and moisture-proofing work in the field. In addition, the metal case protects the strain gage and significantly improves reliability compared with conventional gages. Using stud bolts and adhesive, the gages can be mounted to the bottom and side plate of tank for strain measurement, to a hopper or tank for weight measurement, to the shaft of a truck for tare weight measurement or in any similar applications where the gages need to be protected against moisture, water or small stones. (Patented)

Applicable Adhesives and Operating Temperature Range after Curing

EP-34B: -40 to 100°C CC-33A: -40 to 100°C

■ Relay Cables (for KCH-5A-BJ/SJ) (Option)

Model	TN-29	TN-30	TN-31	TN-32	TN-33		
Cable length	2m	3m	7m	10m	12m		
Cable cover length	1.5m	2.5m	6.5m	9.5m	11.5m		
Remarks	With waterproof connector jack (R04-J6-F6.8); the other end is bared.						

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Model	KCH-5A-B,KCH-5A-BJ	KCH-5A-S,KCH-5A-SJ	KCH-5A-1	KCH-5A-2	KCH-5A-3
Туре	Bridge (for bending)	Bridge(for shearing)	Uniaxial	Biaxial, 0/90 stacked rosette	Triaxial, 0/90/45 stacked rosette
Gage Length	2mm	2mm	5mm	5mm 5mm	
Resistance	350Ω	350Ω	350Ω	350Ω	350Ω
Gage Pattern					
System	4-gage system	4-gage system	3-wire system	3-wire system	2-wire system
Cable	KCH-5A-B and S come with special flexible vinyl-shielded 4-conductor (0.3 mm²) cable, 6.8-mm diameter by 10-m long, and bared at the tip; KCH-5A-BJ and SJ, with flexible vinyl-shielded 4-conductor (0.3 mm²) cable, 2 m long (cable cover 1.75 m long) by 6.3 mm diameter (that of cable cover 10.2 mm) and terminated with waterproof connector plug (R04-P6-M6.8). Relay cables TN-29 to 33 are separately sold.		Comes with special flexible vinyl-shielded 4-conductor (0.3 mm²) cable, 6.8 mm diameter by 10 m long, and bared at the tip. Come with special flexible vinyl-sh 6-conductor (0.3 mm²) cable, 6. diameter by 10 m long and bared at the special flexible vinyl-sh 6-conductor (0.3 mm²) cable, 6. diameter by 10 m long and bared at the special flexible vinyl-sh 6-conductor (0.3 mm²) cable, 6.		nm²) cable, 6.8 mm