## **STRAIN GAGES**

## Non-magnetoresistive Strain Gages (KFNB & KFSB)

S	Patterns, Gage Resistance, Gage Factor		Models		Gage (Grid)		ions (mm) Base Length Width		Remarks
STRAIN GAGES	•KFNB Series Non-inductive Foil Strain Gages RoHS	The gage element is made of a special alloy which provides less magnetoresistant effect; also, the shape is designed to eliminate induction. Thus, the KFNB series foil strain gages allow the strain to be measured accurately under AC magnetic environments.							
AIN	When ordering, suffix the lead-wire cable code (see table at the right) to the model number with a space in between. E.g. KFNB-5-350-C9-11 with a vinyl-coated normal-temperature low-noise 3-wire cable 5 m long pre-attached	Applicable Adhesive Operating Temp. after Curing the Adhesiv PC-600 -196 to 150°C CC-33A -196 to 120°C Turned leaderships and an effect units achieve are after a head to KCEND at							
STR/		Types, lengths and codes of lead-wire cables pre-attached to KFNB gages For other lead-wire cable lengths, contact us.							
		Type Length 15 cm	Length C9, D20						able
	→ KFNB-5-350-C9-11 J5M3	<b>30 cm</b> J30C3							
	If no lead-wire cable code is suffixed, the gage is delivered with 2 polyester-coated copper wires	1 m         J1M3           3 m         J3M3           5 m         J5M3							
	10 cm long each.	Operating temp.         -10 to 80°C           Remarks         L-13							
	Uniaxial 350Ω gages Resistance: 350 Ω Gage factor: Approx. 2.0	KFNB-5-3	350-C9-11 350-C9-16		5	6.6	12	10	
		KFNB-5-350-C9-23 KFNB-2-350-C9-11 KFNB-2-350-C9-16		2	3.5	6	5		
	*The above picture is KFNB-5-350-C9-11.	KFNB-2-3	350-C9-23					_	
Strain Gages	Biaxial 350Ω gages 0°/90 Resistance: 350 Ω	° plane	arrange	ement					
Outline	Gage factor: Approx. 2.0	KFNB-5-350-D20-11							
Lead-wire cable		KFNB-5-3	KFNB-5-350-D20-16 KFNB-5-350-D20-23 KFNB-2-350-D20-11		5	6.6	22	12	5 gages/ pkg
General	*The above picture is KFNB-5-350-D20-11.	KFNB-2-3	KFNB-2-350-D20-16 KFNB-2-350-D20-23		2	3.5	11	6	5 gages/ pkg
Waterproof	Patterns, Gage Resistance, Gage Factor	Models		Dimensions (mm)Gage (Grid)BaseLengthWidthLengthWidth			Remarks		
Concrete	•KFSB Series Shielded Foil Strain Gages R <sub>0</sub> HS	The KFSB series foil strain gages are shielded by copper foil covering the who body. Thus, if a large current flows to or around the gage bonding site, noise will be prevented from entering the measuring circuit.							
Composite material PCB Plastics	When ordering, suffix the lead-wire cable code (see table at the right) to the model number with a space	Applicable	Applicable Adhesive						he Adhesive
Jltra-small strain High temp. Low temp.	in between. E.g.	Types, lengths and codes of lead-wire cables pre-attached to KFSB gag For other lead-wire cable lengths, contact us.							o KFSB gages
High elongation	KFSB-5-120-J1-11 with a vinyl-coated normal-temperature low-noise 3-wire	Type Vinyl-coated normal-temperature low-noise 3-wire cable							
	cable 5 m long pre-attached $\rightarrow$ KFSB-5-120-J1-11 J5M3	Length 15 cm	J1 J15C3						
Non-	If no lead-wire cable code is suffixed,	30 cm J30C3							
magnetoresistive	the gage is delivered with 2 polyester-coated copper wires	1 m J1M3 3 m J3M3							
Hydrogen gas	25 mm long each.	5 m Operating temp. Remarks		J5M3					
Bending	Uniaxial Resistance: 120 Ω				-10 to 80°C L-13				
With protector Embedded	Gage factor: Approx. 2.1						e includes t	hat of th	e insulation sheet.
Crack	*The above picture is KFSB-5-120-J1-11.	KFSB-5-120-J1-11 KFSB-5-120-J1-16 KFSB-5-120-J1-23		5	1.4	15	10	Polyester-coated copper lead wires Shield wire 25 mm long	
Adhesive Coating agent		nce: 350 Ω actor: Appro	x. 2.0						
Custom- designed		KFSB-5-350-J1-11 KFSB-5-350-J1-16 KFSB-5-350-J1-23				6.6	17	16	Polyester-coated copper lead wires
	*The above picture is KFSB-5-350-J1-11.				5			16	6 copper lead wires Shield wire 25 mm lor
1-43					10	gages/	pkg unle	ess oth	erwise specifiec