



HZF-SERIE

High Temperature Strain Gauges

Operating temperature range -196~+350°C
Temperature compensation range +10~+300°C

Applicable adhesives
NP-50B -30~+300°C
C-1 -20~+200°C

*C-1 adhesives can be used up to 350°C for short cycle. For long-term or repeated measurements, please consult our sales representative.

GENERAL USE



These adhesive bonded high-temperature strain gages are capable of measuring temperatures up to 350°C. The gage leads are welded to the high-temperature lead wires, making them RoHS compliant. Please specify the desired lead length and place an order.

Please specify the type number as shown in the example below.

HZFLA -2 -11 -1LJKT

Note: All HZF series base colors will be the same regardless of the target material.

Objective material for temperature compensation (coefficient of linear thermal expansion $\times 10^{-6}/^{\circ}\text{C}$)
-11: Mild steel -17:Stainless steel -23:Aluminium

Gauge pattern	Type	Gauge size(mm)		Backing size(mm)		Resist- ance Ω
		Length	Width	Length	Width	
Single axis Minimum order quantity is 10 strain gauges.	HZFLA-2	2	0.5	5.4	1.4	120

Dedicated lead wires φ0.9mm 3 stranded silica glass braided single core wires

Dedicated lead wires for HZF series strain gauges (made to order)

These strain gage leads are suitable for strain measurement up to a maximum operating temperature of 350°C. They are mainly used for the HZF series strain gages. The connection method between gage leads and lead wires is spot welding.

Type and designation of leadwires

Usage	Leadwire name	Operating temperature range of leadwire (°C)	Type number example
High temperature	3 stranded silica glass braided single core wires LJKT	-100 ~ +350	HZFLA-2- 3LJKT

Standard lead lengths are 1, 3, 5, and 10 m. Lead wires alone are not available.