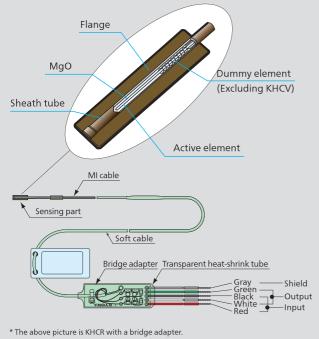
Encapsulated Gages



■Encapsulated Gages

Encapsulated Gages are welded-type strain gages with a completely airtight structure. The product consists of a sensing part and a cable for signal output. The sensing part is comprised of a flange and an environmentally resistant metallic tube with encapsulated gage and insulator. The sensing part can be fixed to the measurement material by using a compact spot welder GW-3C.

Using the high-temperature model, strain measurement can be conducted even in harsh environments involving high temperature, high pressure, and high humidity, such as nuclear-power generation, automobiles, and planes.

The specifications are for reference purpose only. Actual values may vary depending on operating conditions including temperatures.

- Gages and lead-wire cables (MI cables) are covered and integrated with metals (such as NCF 600) with excellent environmental properties including heat or corrosion resistance, and can be used in high temperature and high-pressure environments, seawater, and pure water.
- Provides high-precision measurement with minimal thermally-induced apparent strain (KHCX, KHCR, KHCS, KHCM, KHC).
- Detailed test data sheet allows strain measurement to be conducted with high precision.

■Types and typical applications

Туре	Normal Temp.	High Temp.					
Model	KCW	KHC	KHCM	KHCS	KHCR	KHCV	KHCX
Measuring strain	Static/Dynamic					Dynamic	Static/Dynamic
Max. oprg. temp.*1	100°C	500/550°C	650°C	750°C	750°C	800°C	950°C
Temp. comp.*2			Yes			No	Yes

^{*1} Max. oprg. temp.: Max. operating temperature

^{*2} Temp. comp.: Temperature compensation

