

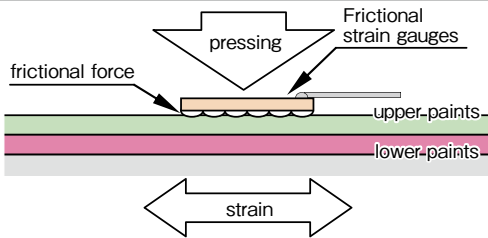


Frictional Strain Checker FGMH series C€

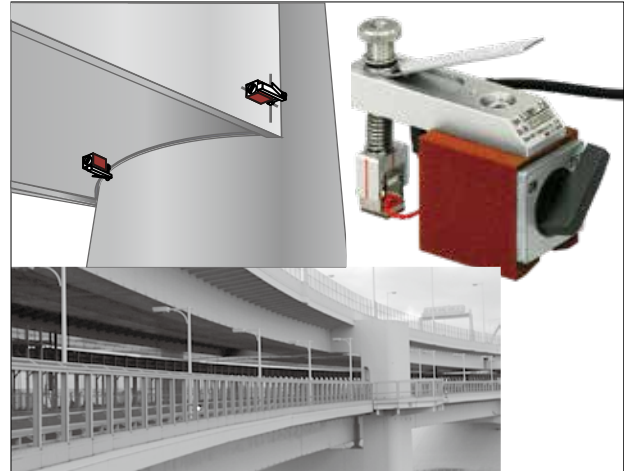
No bonding is required for strain measurement on steel

Features

- Easy mounting and detaching by lever operation
- Paint removal, grinding, bonding and curing are not necessary
- Can be used repeatedly
- Strain measurement in three directions (FGMH-3A)



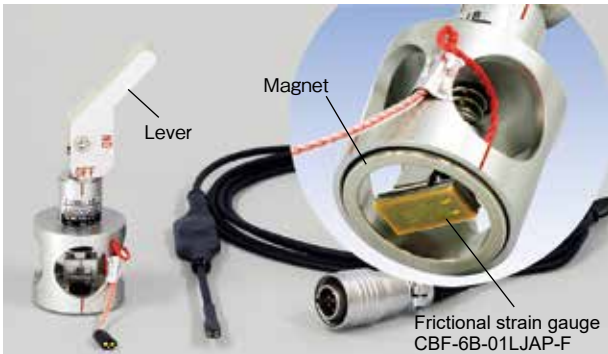
The Strain checker FGMH series measures strain using frictional force working on the contact surface of the frictional strain gauge by pressing the gauge against the structure with magnetic force. Unlike bondable strain gauges, surface preparation and bonding works are not required for this gauge, thus the works required for strain measurement are largely reduced. In combined use with a handheld type strainmeter, the strain checker



can easily measure strains on steel materials such as bridges by changing measurement point one after another. It is the most suited to preparatory measurements before starting a long term measurement.

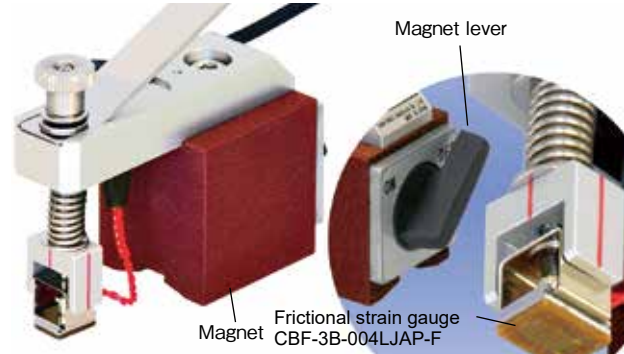
In the FGMH series, three types are available. They are FGMH-1B and FGMH-2A both for single axis measurement and FGMH-3A for 0°/45°/90° three-axis measurement.

FGMH-1B(Single axis measurement)



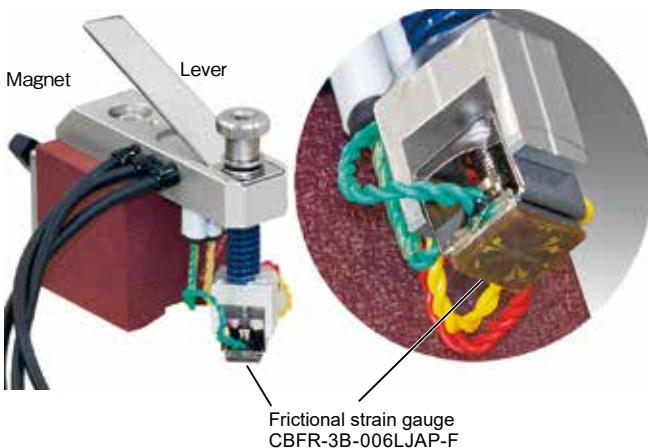
The FGMH-1B is a strain checker constructed small and light. The frictional strain gauge is set to on, off and replacing position by the operation of lever, thus allowing easy handling of the strain checker.

FGMH-2A(Single axis measurement)



The FGMH-2A is a strain checker especially designed for measurement on a small area such as the vicinity of a welded part. It can be easily attached to and detached from measurement object by the operation of magnet lever. In addition, a lever is provided on the upper part to slightly lift the frictional strain gauge from the measurement surface by pushing the lever downward. It enables easy adjustment of the direction of the strain gauge.

FGMH-3A(Three-axis measurement 0°/45°/90°)



The FGMH-3A is a strain checker for three-axis measurement in 0°/45°/90°. Principal stress (principal strain) and its direction can be found by applying rosette analysis calculation to the measured strain values in three directions. It is applicable to measurement in the vicinity of weld bead like as the FGMH-2A. Also similarly as the FGMH-2A, it can be easily attached to and detached from a measurement object by the operation of magnet lever. Another lever is provided for easy adjustment of the direction of the strain gauge.

The frictional strain gauge is a consumable part. If it is stained, deteriorated or damaged, replace it with a new one.

Option : Applicable frictional strain gauge

Type	Applicable frictional strain gauge (CE compliant)
FGMH-1B	CBF-6B-01LJAP-F
FGMH-2A	CBF-3B-004LJAP-F
FGMH-3A	CBFR-3B-006LJAP-F