

OPERATION MANUAL FOR BIMETAL THERMOMETER

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1. Introduction

Before using the bimetal thermometer, it is recommended that this instruction be read carefully to assure its right operation.

The bimetal thermometer, because of its simple construction, coupled with high durability, is in use but also to the field use requiring direct reading of indications

2. Instructions for Transportation, Storage and Unpacking

(1) Transportation

Being precision-finished instrument, this thermometer may become out of order if dropped or subjected to a shock, Pay careful attention in transportation.

(2) Storage

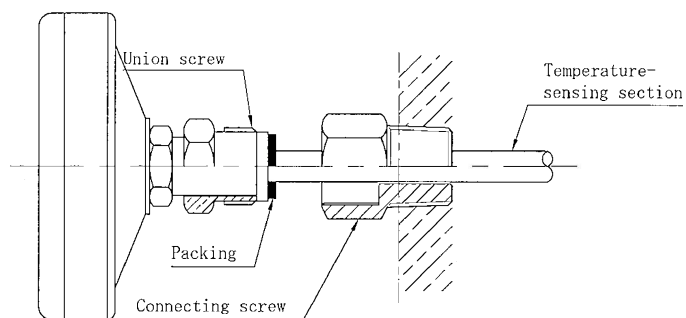
The place for storage should be free from vibrations and dust low in humidity. When packages containing the products are stacked, take care that they are not distorted or fall.

3. Operation and Maintenance

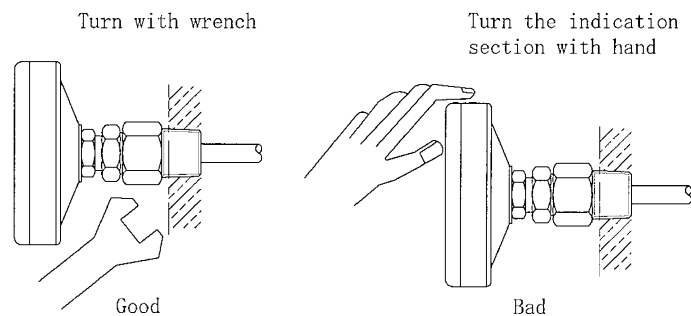
- (1) Never touch the inner parts of the instrument. Also avoid oiling the movable parts.
- (2) Never bend the temperature-sensing section.
A bent wire connecting the bimetal and the pointer will make the instrument inoperative.
- (3) An overscale of temperature is permitted if the temperature involved is lower than 300°C (or within about 10% of the entire span). If this limit is exceeded, marginal bimetal performance is threatened. Such an overscale is undesirable. Keep the operation of the instrument within about two thirds of the entire span or within the scale range.
- (4) Tests at regular intervals of time are recommended to attain a long service life of the instrument.

4.Guides to Installation

- (1) In the case of union-type thermometer, loosen the union screw to remove the connecting ccrew (of flange). Mount the connecting ccrew (of flange) on the mating part (the mountingpart). Insert theg temperature-sensing part and fasten securely with the union screw .

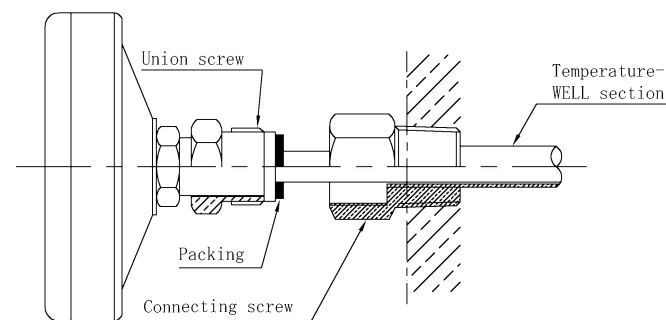


- (2) Installation of the thermometer must be made without fail by fastening the hexagonal part with wrench but not by holding the indication section. Insert the temperature-sensing section fully into the object fluid (liquid, oil or air). Otherwise, accurate indication is impossible.



4.Guides to Installation

- (1) In the case of WELL-type thermometer, loosen the union screw to remove the connecting ccrew (of flange). Mount the connecting ccrew (of flange) on the mating part (the mountingpart). Insert theg temperature-sensing part and fasten securely with the union screw .



- (2) Installation of the thermometer must be made without fail by fastening the hexagonal part with wrench but not by holding the indication section. Insert the temperature-sensing section fully into the object fluid (liquid, oil or air). Otherwise, accurate indication is impossible.

