

FlexIr-TC

(Flexible iridium type thermocouple)

- Deformable Ir/Ir-Rh thermocouple
- Temperature measurement above 2000 deg C is possible



FlexIr-TC

Product Information

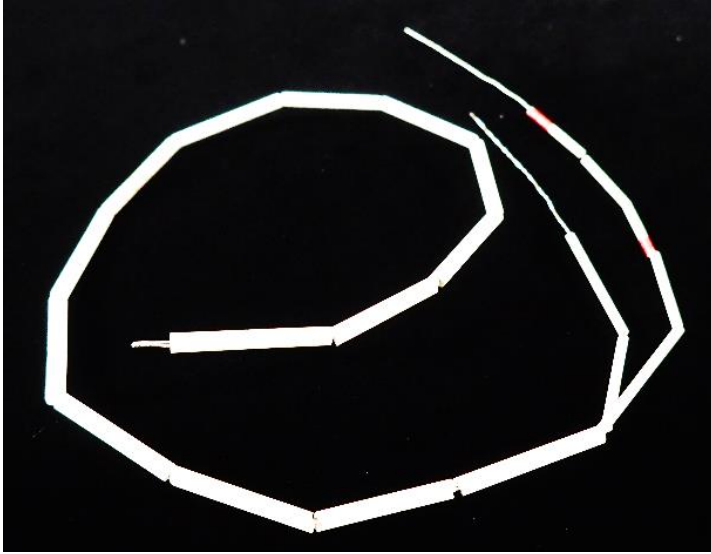


Fig.1: Photograph of the FlexIr-TC.

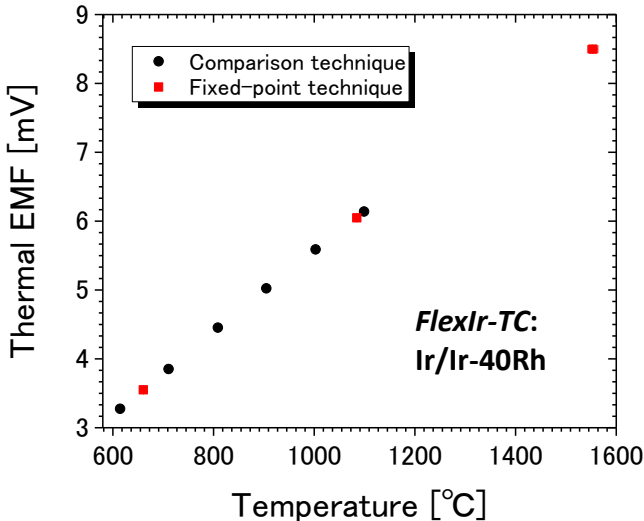


Fig.3: Thermal EMF characteristics of the FlexIr-TC.

Outline

FlexIr-TC is the only Ir type thermocouple that can be repeatedly bent (Fig. 1). The FlexIr series wires are used for the FlexIr-TC, and they can easily be a yarn (Fig. 2).

The thermal EMF (electromotive force) characteristics are shown in Fig. 3. FlexIr-TC shows good linearity at high temperature, and they can be used at more than 2000 degrees C.



Fig.2: Photograph of a twisted tip of the FlexIr-TC.

Specification (in case of the Ir/Ir-40Rh)

Diameter	0.5 mm
Tolerance	At least ± 0.02 mm
Length	~1,000 cm
Atmosphere	Vacuum & Inert
Temperature	0 ~ 2100 deg C

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