

# FlexIr-TC

(Flexible iridium type thermocouple)

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



FlexIr-TC

## Product Information

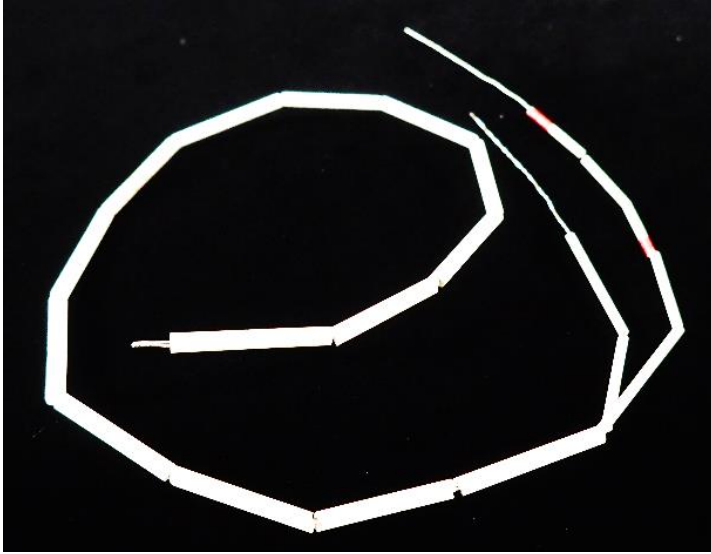


Fig.1: The FlexIr-TC.

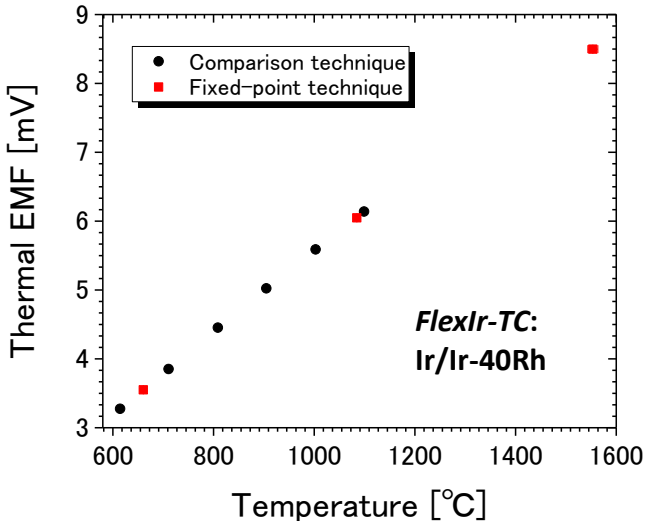


Fig.3: Thermal EMF characteristics of the FlexIr-TC.

## Outline

FlexIr-TC is the only Ir type thermocouple that can be repeatedly bent (Fig. 1). The FlexIr series wires are used as strands, 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 °C.



Fig.2: A twisted tip of the FlexIr-TC.

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

Diameter	0.5 mm (standard)
Length	~3m*1
Atmosphere	Vacuum & Inert
Temperature	~ 2100 °C

\*1:It depends on the diameter.

Crystals for your future



Crystals and Applications

C&A Corporation

Single Crystal Growth Service  
Consulting of crystalline business  
Scintillator crystals, arrays and scintillation detectors  
Piezoelectric crystals and piezoelectric devices