



## 紅外線 K015

### ROLLER SURFACE THERMOCOUPLES K015 SERIES

The thermocouples are designed for non-contact measurement of surface temperature of moving or rolling materials such as heating rollers, moving belts and plastic sheets.

- Built-in compensating circuit for the difference between actual temperature and adjacent atmospheric temperature
- Affection-free from emissivity of surface

#### Main Specifications

Element : K thermocouple  
 Measuring accuracy : Within  $\pm 5^{\circ}\text{C}$  in  $200^{\circ}\text{C}$  span  
 Measuring distance : 1 to 2mm (fixed)  
 Output : E.M.F. of K thermocouple

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Models	Types	Measuring ranges	Extension wire length	Applications
K015-11	標準 Standard	Room temp. to $250^{\circ}\text{C}$	5m	對於 1 無干擾和穩定的測量距離 2 毫米 For no disturbance and stable measurement distance of 1 to 2mm
K015-21		Room temp. to $250^{\circ}\text{C}$	10m	
K015-31		Room temp. to $500^{\circ}\text{C}$	5m	
K015-41		Room temp. to $500^{\circ}\text{C}$	10m	
K015-12	與反射板 With reflection plate	Room temp. to $250^{\circ}\text{C}$	5m	對於需要太多的干擾 3mm 左右或測量距離 For much disturbance or measurement distance of about 3mm needed
K015-22		Room temp. to $250^{\circ}\text{C}$	10m	
K015-32		Room temp. to $500^{\circ}\text{C}$	5m	
K015-42		Room temp. to $500^{\circ}\text{C}$	10m	
K015-13	與測距儀 With distancer	Room temp. to $250^{\circ}\text{C}$	5m	對於測量距離忽高忽低 For measurement distance fluctuated

Element	Type K thermocouple
Wire diameter	$\Phi 0.1\text{mm}$
Accuracy rating	Within $\pm 5^{\circ}\text{C}$ at $200^{\circ}\text{C}$ span (For the correction constants are determined at the middle of measurement range.)
Measurement distance	1 to 2mm (constant)
Measurement width	Minimum 30mm
Response time	About 6 seconds (time constant)
Output signal	Thermal EMF of Type K thermocouple
Output impedance	15 to $22\Omega$
Output stabilizing filter	0.07mm thick , amber mica
Lead wire	$\Phi 7\text{mm}$ heat resistance vinyl cord or silicon rubber lead wire 5m (19m) attached