

L60+ THERMOCOUPLE WIRE AND FINE WIRE WELDER

- Designed for producing thermocouple junctions
- Suitable for wires up to 1.1mm diameter
- Argon gas shield facility
- Can join wires to each other or metal surfaces
- Includes footswitch for convenient operation
- Comes with 1 electrode fitted & 1 spare
- 110/230Vac Power supply

Codes
Welder IL-070
Pkt 5 spare electrodes IL-015



EXPOSED WELDED TIP THERMOCOUPLES



*Also known as naked bead,
fine-wire & exposed junction
thermocouples*

Welded tip, exposed junction, fast response thermocouples in types J,K & T

Specifications

| | |
|-----------------------|---|
| Sensor Type | Thermocouple type J,K or T to IEC 60584. Exposed welded junction |
| Operating Temperature | PFA/PTFE insulated, 250°C. Fibreglass insulation, 350°C |
| Insulation | Glassfibre (silicone varnished) or PFA/PTFE |
| Termination | Bare wire tails |

Specifications

| Glassfibre Insulated | Type J | Type K | Type T |
|----------------------|-----------------|------------------|-----------------|
| Wire diameter | 1/0.315mm | 1/0.315mm | 1/0.315mm |
| Overall diameter | 1.5mm | 1.5mm | 1.5mm |
| Temperature range | -50°C to +350°C | -50°C to +350°C | -50°C to +350°C |
| Positive leg | Iron | Nickel chromium | Copper |
| Negative leg | Constantan | Nickel aluminium | Constantan |
| PFA/PTFE Insulated | | | |
| Wire diameter | | 1/0.2mm | 1/0.2mm |
| Overall diameter | - | 1.3mm | 1.3mm |
| Temperature range | - | -50°C to +250°C | -50°C to 250°C |
| Positive leg | - | Nickel Chromium | Copper |
| Negative leg | - | Nickel aluminium | Constantan |

Welded tip thermocouple codes

Glassfibre Insulated Code

| | |
|------------|--------|
| Type J, 2m | Z3-J-2 |
| Type K, 1m | Z3-K-1 |
| Type K, 2m | Z3-K-2 |
| Type T, 2m | Z3-T-2 |

PFA/PTFE Insulated

| | |
|------------|--------|
| Type K, 1m | Z2-K-1 |
| Type K, 2m | Z2-K-2 |
| Type T, 1m | Z2-T-1 |
| Type T, 2m | Z2-T-2 |

EXPOSED, WELDED TIP THERMOCOUPLES WITH FITTED MINI-PLUGS PFA/PTFE



**Types J,K & T, PFA/PTFE insulated
thermocouple wire with welded
junction and fitted miniature plug**

Specifications

| | |
|------------------------|---|
| Sensor type | Thermocouple type J,K or T to IEC 60584. Exposed, Welded junction. |
| Tip temperature Rating | -75°C to 250°C (limited by PFA/PTFE insulation properties) |
| Wire type | Twin, twist pair, PFA/PTFE insulated over 1/0.2mm conductors |
| Termination | Colour coded miniature plug |

Dimensions & Codes

| Type | Code | Type | Code |
|-------------|-----------|-------------|-----------|
| Type J x 1m | Z2-J-1-MP | Type J x 2m | Z2-J-2-MP |
| Type K x 1m | Z2-K-1-MP | Type K x 2m | Z2-K-2-MP |
| Type T x 1m | Z2-T-1-MP | Type T x 2m | Z2-T-2-MP |

EXPOSED, WELDED TIP THERMOCOUPLE WITH FITTED MINI-PLUGS, GLASSFIBRE



**Types J & K, Glassfibre insulated
thermocouple wire with welded
junction and fitted miniature plug**

Specifications

| | |
|------------------------|---|
| Sensor Type | Thermocouple type J or K to IEC60584. Exposed, welded junction. |
| Tip temperature Rating | -50°C to +350°C (limited by glassfibre insulation properties) |
| Wire type | Flat pair, silicone varnished glassfibre insulated over 1/0.315mm conductors |
| Termination | Colour coded miniature plug |

Dimension & Codes

| Type | Code | Type | Code |
|-------------|-----------|-------------|-----------|
| Type J x 1m | Z3-J-1-MP | Type J x 2m | Z3-J-2-MP |
| Type K x 1m | Z3-K-1-MP | Type K x 2m | Z3-K-2-MP |