

## IEC Miniature Thermocouple Panel Systems – Type J



Labfacility are the UK's leading manufacturer of Temperature Sensors, Thermocouple Connectors and associated Temperature Instrumentation and stockists of Thermocouple Cables. The Company has been trading since 1971 and is ISO 9001 accredited.

Labfacility have supplied Farnell for over 30 years, and an extensive range of our products are available to buy online, from stock, direct from Farnell.

A range of pre-assembled miniature panel assemblies designed for use with thermocouples or leads with miniature plugs. They are robust and perfect for mounting in control rooms, test stands, laboratory applications, control rooms, and more. They support calibration codes including K, J & T with quick wire sockets, with a maximum temperature range up to +120°C. These panels can be fitted horizontal or vertically.

## Specifications

<b>General Description</b>	A selection of miniature IEC pre-assembled thermocouple panels, to suit your specific application.	
<b>Thermocouple Type</b>	J IEC	
<b>Connector Size</b>	Miniature	
<b>Number of Connectors and panel sizes</b>	1 x Connector	45mm x 40mm
	2 x Connectors	45mm x 55mm
	4 x Connectors	45mm x 85mm
	6 x Connectors	45mm x 115mm
	12 x Connectors	45mm x 205mm
	16 x Connectors	75mm x 145mm
	20 x Connectors	75mm x 175mm
<b>Connector Type</b>	Fascia Mounting Socket	
<b>Colour</b>	Black	
<b>Max. Temperature</b>	120°C	
<b>+Positive Contact</b>	Iron	
<b>-Negative Contact</b>	Copper Nickel	
<b>Standards Met</b>	BS EN 50212:1997. RoHS	

## Ordering Information

Stock Number	Manufacturers Number	Thermocouple Type	Size	Colour Code	Number of connectors/Ways	Panel Size
4373432	IM-J-FF + FMP-1	J	Miniature	IEC	1	45mm x 40mm
4373433	IM-J-FF + FMP-2	J	Miniature	IEC	2	45mm x 55mm
4373434	IM-J-FF + FMP-4	J	Miniature	IEC	4	45mm x 85mm
4373435	IM-J-FF + FMP-6	J	Miniature	IEC	6	45mm x 115mm
4373436	IM-J-FF + FMP-12	J	Miniature	IEC	12	45mm x 205mm
4373437	IM-J-FF + FMP-16	J	Miniature	IEC	16	75mm x 145mm
4373438	IM-J-FF + FMP-20	J	Miniature	IEC	20	75mm x 175mm



## Similar Products in Range:

Stock Number	Manufacturers Number	Thermocouple Type	Size	Colour Code	Number of connectors/Ways	Panel Size
4373389	IS-K-FF + FSP-1	K	Standard	IEC	1	66mm x 50mm
4373391	IS-K-FF + FSP-2	K	Standard	IEC	2	66mm x 69mm
4373392	IS-K-FF + FSP-3	K	Standard	IEC	3	66mm x 88mm
4373393	IS-K-FF + FSP-4	K	Standard	IEC	4	66mm x 107mm
4373394	IS-K-FF + FSP-6	K	Standard	IEC	6	66mm x 145mm
4373395	IS-K-FF + FSP-10	K	Standard	IEC	10	66mm x 221mm
4373396	IS-K-FF + FSP-12	K	Standard	IEC	12	66mm x 259mm
4373397	IS-K-FF + FSP-20	K	Standard	IEC	20	111mm x 221mm
4373405	IM-K-FF + FMP-1	K	Miniature	IEC	1	45mm x 40mm
4373407	IM-K-FF + FMP-2	K	Miniature	IEC	2	45mm x 55mm
4373408	IM-K-FF + FMP-3	K	Miniature	IEC	3	45mm x 70mm
4373409	IM-K-FF + FMP-4	K	Miniature	IEC	4	45mm x 85mm
4373410	IM-K-FF + FMP-6	K	Miniature	IEC	6	45mm x 115mm
4373411	IM-K-FF + FMP-12	K	Miniature	IEC	12	45mm x 205mm
4373412	IM-K-FF + FMP-16	K	Miniature	IEC	16	75mm x 145mm
4373413	IM-K-FF + FMP-20	K	Miniature	IEC	20	75mm x 175mm
4373424	IS-J-FF + FSP-1	J	Standard	IEC	1	66mm x 50mm
4373425	IS-J-FF + FSP-2	J	Standard	IEC	2	66mm x 69mm
4373426	IS-J-FF + FSP-3	J	Standard	IEC	3	66mm x 88mm
4373427	IS-J-FF + FSP-4	J	Standard	IEC	4	66mm x 107mm
4373428	IS-J-FF + FSP-6	J	Standard	IEC	6	66mm x 145mm
4373429	IS-J-FF + FSP-10	J	Standard	IEC	10	66mm x 221mm
4373430	IS-J-FF + FSP-20	J	Standard	IEC	20	111mm x 221mm
4373432	IM-J-FF + FMP-1	J	Miniature	IEC	1	45mm x 40mm
4373433	IM-J-FF + FMP-2	J	Miniature	IEC	2	45mm x 55mm
4373434	IM-J-FF + FMP-4	J	Miniature	IEC	4	45mm x 85mm
4373435	IM-J-FF + FMP-6	J	Miniature	IEC	6	45mm x 115mm
4373436	IM-J-FF + FMP-12	J	Miniature	IEC	12	45mm x 205mm
4373437	IM-J-FF + FMP-16	J	Miniature	IEC	16	75mm x 145mm
4373438	IM-J-FF + FMP-20	J	Miniature	IEC	20	75mm x 175mm
4373439	IS-T-FF + FSP-1	T	Standard	IEC	1	66mm x 50mm
4373440	IS-T-FF + FSP-2	T	Standard	IEC	2	66mm x 69mm
4373441	IS-T-FF + FSP-3	T	Standard	IEC	3	66mm x 88mm
4373442	IS-T-FF + FSP-4	T	Standard	IEC	4	66mm x 107mm
4373444	IS-T-FF + FSP-6	T	Standard	IEC	6	66mm x 145mm
4373445	IS-T-FF + FSP-10	T	Standard	IEC	10	66mm x 221mm
4373446	IS-T-FF + FSP-20	T	Standard	IEC	20	111mm x 221mm
4373447	IM-T-FF + FMP-1	T	Miniature	IEC	1	45mm x 40mm
4373448	IM-T-FF + FMP-2	T	Miniature	IEC	2	45mm x 55mm
4373449	IM-T-FF + FMP-4	T	Miniature	IEC	4	45mm x 85mm
4373450	IM-T-FF + FMP-6	T	Miniature	IEC	6	45mm x 115mm
4373451	IM-T-FF + FMP-12	T	Miniature	IEC	12	45mm x 205mm
4373452	IM-T-FF + FMP-16	T	Miniature	IEC	16	75mm x 145mm
4373453	IM-T-FF + FMP-20	T	Miniature	IEC	20	75mm x 175mm





### Thermocouple & PRT Cable

Thermocouple cables are available in IEC or ANSI colour codes. Insulation types include PFA, PTFE, PVC & Fibreglass. Available spool lengths include 10, 25, 50, 100 and 200m.

### Best Sellers

**IEC PVC Insulated Flat Pair**  
Farnell 7082319  
Newark 69C6504

**ANSI PTFE Insulated Twin Twisted**  
Farnell 2443696  
Newark 73AC8304

**ANSI PFA Insulated Twin Twisted**  
Farnell 2443711  
Newark 73AC8297



### Fabricated and Specialist Thermocouples

Styles include; Magnet, Washer, Nozzle, Leaf, Bayonet & Bolt thermocouple. Various lengths and calibration types available.

### Best Sellers

**Washer Thermocouple**  
Farnell 8597952  
Newark 38K1555

**Bayonet Thermocouple**  
Farnell 2785115  
Newark 37AC0993

**Magnet Thermocouple**  
Farnell 2081298  
Newark 88T2877



### Exposed Junction Thermocouples

Including exposed junctions with fitted or moulded miniature plug and insulated leads, ideal for test and development applications.

1, 2, 3, 5 & 10m lengths available in IEC or ANSI colours.

### Best Sellers

**ANSI Type K Exposed Junction**  
Farnell 2443720  
Newark 84X0232

**IEC Type T Exposed Junction**  
Farnell 7076186  
Newark 68C2613

**IEC Type K Exposed Junction**  
Farnell 4100748  
Newark 15J1022



### Thermocouple Connectors

Range of miniature or standard thermocouple connectors. Available in thermocouple types K, J, T, E, N, RS, B, and copper. IEC, ANSI & JIS colour codes available.

### Best Sellers

**IEC Thermocouple PCB Socket**  
Farnell 2347056  
Newark 06X5514

**IEC Thermocouple Plug**  
Farnell 7086362  
Newark 67C1559

**ANSI Thermocouple Socket**  
Farnell 2347121  
Newark 06X4819



### RTD Detectors

Wire-wound type provides greater accuracy and stability but are vulnerable to shock.

Flat film type are resistant to shock and have quicker thermal response times.

Various lengths and diameters available, in class A, B and 1/10th Din.

### Best Sellers

**PT1000 Thin Film Detector**  
Farnell 8598550  
Newark 38K0883

**PT100 Wire Wound Detector**  
Farnell 2770776  
Newark 25AC2608

**PT100 Class A Thin Film Detector**  
Farnell 8598525  
Newark 38K0885



### Mineral Insulated Thermocouples

Available in various calibration types with a variety of terminations.

These include; Thermocouple plugs, Terminal heads and Thermocouple cable.

### Best Sellers

**ANSI Thermocouple**  
Farnell 2420317  
Newark 53X3217

**IEC Thermocouple with Mini Plug**  
Farnell 4248338  
Newark 19J1166

**IEC Melt Bolt Thermocouple**  
Farnell 2816490  
Newark 44AC8638



### Resistance Thermometer Detectors (RTD) / Platinum Resistance Thermometers (PRT)

To suit a wide range of applications and styles, available in class A or B.

### Best Sellers

**Pt100 Heavy Duty Sensor Probe**  
Farnell 8598096  
Newark 38K0974

**Pt100 Sensor in Stainless Steel Tube with Teflon Lead**  
Farnell 2420300  
Newark 53X3459

**Pt100 Outdoor/ Cold Store Temperature Sensor**  
Farnell 2816462  
Newark 44AC8648



### L60 Fine Wire Thermocouple Welder

The Thermocouple Welder is a compact, simple-to-use instrument designed for thermocouple and fine wire welding. Supplied with foot switch, spare electrodes, pliers & safety glasses, impact clip and pen plate.

### Best Sellers



**L60+ Thermocouple & Fine Wire Welder and accessories**  
Farnell 2897470  
Newark 62AC8741

