

IEC Standard Thermocouple Panel Systems – Type K



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 standard panel assemblies designed for use with thermocouples or leads with standard 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

General Description	A selection of standard IEC pre-assembled thermocouple panels, to suit your specific application.	
Thermocouple Type	K IEC	
Connector Size	Standard	
Number of Connectors and panel sizes	1 x Connector	66mm x 50mm
	2 x Connectors	66mm x 69mm
	3 x Connectors	66mm x 88mm
	4 x Connectors	66mm x 107mm
	6 x Connectors	66mm x 145mm
	10 x Connectors	66mm x 221mm
	12 x Connectors	66mm x 259mm
	20 x Connectors	111mm x 221mm
Connector Type	Fascia Mounting Socket	
Colour	Green	
Max. Temperature	120°C	
+Positive Contact	Nickel Chromium	
-Negative Contact	Nickel Alloy	
Standards Met	BS EN 50212:1997. RoHS	

Ordering Information

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



Similar Products in Range:

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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

Best Sellers



Fabricated and Specialist Thermocouples

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



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

Best Sellers



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.

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

Best Sellers



Mineral Insulated Thermocouples

Available in various calibration types with a variety of terminations.

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

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

