

Temperature Probes

physitemp

Type T Thermocouple Wire (copper - constantan)

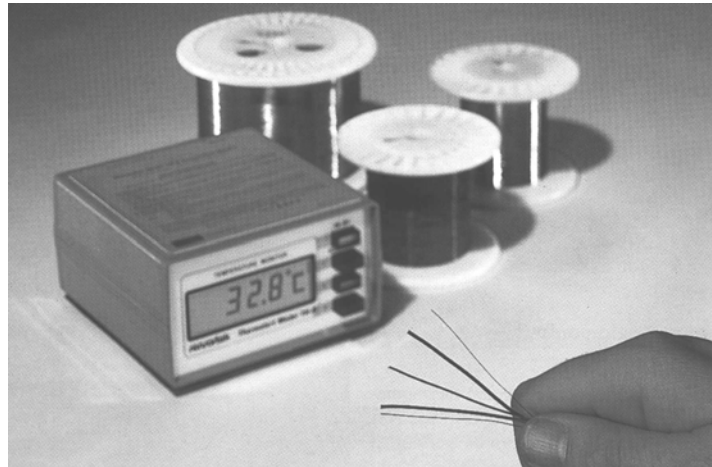
- 0.1°C accuracy in the following sizes:
30ga, 36ga, 40ga, 44ga
- Many insulation materials available

Most competitors' thermocouple wire used in the manufacture of sensors is "Special Limits" wire which, to meet NIST standards, must be accurate to 0.5°C. This means that even with the most sophisticated electronics, the best possible accuracy for the system is 0.5°C.

Physitemp wire is made and tested to more stringent standards and is guaranteed accurate to 0.1°C in the range of 0-50°C.

It is, therefore, five times more accurate than "Special Limits" wire. It is intended for applications where high accuracy is essential but where the low cost of thermocouples is important.

We can supply this wire in rolls of 50' or in larger quantities. We will also weld thermocouples and provide custom sheaths, if required. If you require wire with a different gauge or insulation than you see below - please contact us. We may be able to custom order it for you.



High Accuracy Wire					
TYPE#	WIRE DIA.	AWG	INSULATION	FORM	MAX: TEMP
W-TW-26	.015"	26	POLYVINYL	TWIN	85°C
W-TW-30	.010"	30	KAPTON	TWIN	400°C
W-TW-36	.005"	36	POLYVINYL	TWIN	85°C
W-TW-40	.003"	40	TEFLON®	TWIN	200°C
W-TW-40P	.003"	40	POLYURETHANE	TWIN	125°C
W-TW-44	.002"	44	ISONEL	PAIRS	200°C
W-TW-44P	.002"	44	POLYURETHANE	TWIN	125°C
W-TW-44TEF	.002"	44	TEFLON®	TWIN	200°C
Regular Thermocouple Wire					
W-TW-20	.032"	20	TEFLON®	TWIN	150°C
W-TW-24	.020"	24	POLYVINYL	TWIN	85°C

"Paired" wire is supplied as individual wires on two separate rolls. "Twin" wire is supplied duplex on one roll.

Do - It - Yourself Sensor Kit



SK-2, Sensor Kit

Model SK-2 All materials, tools and instructions for making interchangeable Type T (copper-constantan) thermocouple sensors.

Contents :

50 feet TW-30 wire; 50 feet TW-26 wire; 10 type T miniature thermocouple plugs; Epoxy; Miniature soldering iron; Wire cutters & strippers X-ACTO® Knife; 3XLoupe Tweezers; Instruction Manual

Extension Leads, Plugs & Sockets

EXT-6 - 6 ft. probe extension lead plugs into thermometer. Socket on other end accepts any type T probe.

TP-10 - Thermocouple Plug Kit. 10 copper-constantan plugs, epoxy, washers, instructions

TS-10 - Thermocouple Plug Kit. 10 copper-constantan sockets, epoxy, washers, instructions