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THEMOCOUPLS * RTD SENSORS * THERMOWELLS * EXTENSION CABLES * LEVEL SWITCHES

SD 1397

THERMOCOUPLE CONNECTORS

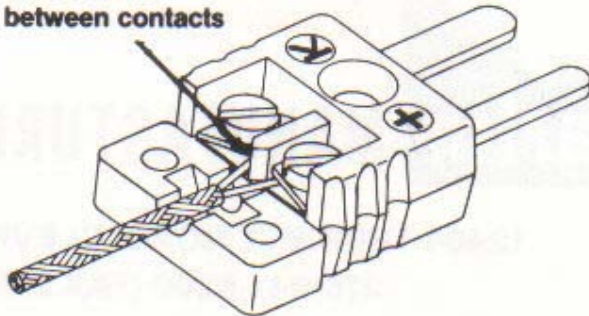
Mini Plugs and Jacks

Miniature plugs and jacks provide dependable, quick connections and easy installation of fine thermocouple wire and metal-sheath thermocouples. Accepts wire from 0.001" diameter to 24 gauge.

Polarized pins make it virtually impossible to mismatch. Large double wipe jack inserts assure tight grip and low signal loss. Due to exclusive isolated screw design, contact is all thermocouple alloy from wire entrance to wire exit. ANSI calibration symbol and polarity symbol are molded on connector face. Surface mounting and stacking made easy by molded-in clearance holes.

Mini-connectors are molded from glass filled, high strength, thermoset compounds that will not melt. Mini-connectors are color coded and can be used in ambient temperatures to 400°F (205°C) continuous and 500°F (260°C) intermittent. Hi-Temp Mini connectors are colored red and can be used to 800°F (425°C) continuous and 1000°F (540°C) intermittent.

Wire Jab-In[®]
between contacts



Exclusive Jab-In[®] terminals require only 1/4" of insulation removed. Wire is sandwiched between contacts of thermocouple alloy without damage. Looped wire ends are eliminated. Simple two-piece construction. Removable cap with semi-captive screws exposes terminals without loose parts falling out. Elastomer bushing provides wire strain relief. Braze-on sheath adapters are brazed or soldered to sheath. Crimp-on adapters are crimped on sheath using crimp tool. Bushings and adapters are locked into connector by cap.

For corrosive applications, gold plated contacts are available. **Caution - system errors can result from use of plated contacts if significant thermal gradient exist at connector.**

Mini Plugs and Jacks		400°F Continuous Ambient				800°F Continuous Ambient		
Thermocouple Type	T/C Type Code	ANSI Color Code	IEC Color Code	Plug Code No.	Jack Code No.	Color	Hi-Temp Plug Code No.	Hi-Temp Jack Code No.
Iron Constantan	J	Black	Black	1260-J	1210-J	Red	1360-J	1310-J
Copper Constantan	T	Blue	Brown	1260-T	1210-T	Red	1360-T	1310-T
Chromel [™] Alumel [™]	K	Yellow	Green	1260-K	1210-K	Red	1360-K	1310-K
Nicrosil Nilil	N	Orange	Pink	1260-N	1210-N	Red	1360-N	1310-N
Chromel [™] Constantan	E	Violet	Violet	1260-E	1210-E	Red	1360-E	1310-E
Platinum 10% Rhodium	S	Green	Orange	1260-S	1210-S	Red	1360-S	1310-S
Platinum 13% Rhodium	R	Green	Orange	1260-R	1210-R	Red	1360-R	1310-R
Uncompensated (CU)	U	White	White	1260-U	1210-U	Red	1360-U	1310-U
Tungsten 5% Re/ Tungsten 26% Re	C	Brown	-	1260-C	1210-C	Red	1360-C	1310-C