

THERMOCOUPLES

ST510 TrueTEMP

The ST510 TrueTEMP thermocouple is used to measure temperature gradients, especially well suited for mold thermal profiles. The thermocouple tips are machined from copper with a unique design that allows easy insertion and extraction. The thermal load is detected via a pair of copper and Constantine wires (Type T) that are shielded and coated with a Teflon jacket, providing utmost durability, dynamic range, stability and robustness.

KEY FEATURES

- ◆ QuickTurn™ design allows simple insertion and extraction
- ◆ Well suited for industrial applications
- ◆ Very low noise
- ◆ Excellent performance over temperature
- ◆ Silver solder used in construction
- ◆ Choice of wire colors

SPECIFICATIONS

Parameter	Units	Type T
Measuring Range	°F	0-750
Repeatability & Accuracy	°F	±1
Sensing Element Material	Type	Copper/Constantine
Housing Material	Type	Copper
Size (tip diameter)	inch	5/16
Mounting	Type	Threaded 5/16 x24

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Enlarged view of tip design



BENEFITS

- ◆ Exceptional reliability, unprecedented accuracy
- ◆ Very low noise – ideal mold thermal profiling
- ◆ Reduce maintenance spares
- ◆ Rugged design to withstand harsh conditions

OPTIONAL ACCESSORIES

- ◆ ST510-ET Extraction tool
- ◆ Cables (custom lengths)

