

FOR IMMEDIATE RELEASE:

MicroStrain[®] announces the release of its 6 Channel 2.4 GHz 802.15.4 Wireless Thermocouple Node

TC-LINK[®] wireless thermocouple node now available with 6 thermocouple channels and an optional relative humidity sensor

Williston, Vermont –June 04, 2007

MicroStrain Inc has released the latest version of its TC-LINK[®] wireless thermocouple node. The TC-LINK-6CH features six thermocouple channels, an embedded cold junction compensation sensor and includes the option of adding a relative humidity sensor. The 24 bit delta-sigma A/D provides outstanding resolution over a wide temperature range.



The TC-LINK-6CH represents a major reduction in the cost per channel. With the ability to transmit real-time data from multiple nodes to a single base station, or store up to 300,000 data points in on-board memory, the TC-LINK-6CH offers unprecedented flexibility.

At a sample rate of 1 sample per minute monitoring all six thermocouple channels, MicroStrain's patented low power circuit design sips an average 85 microamps from the internal battery, offering 10 months of continuous operation between recharge. With the optional use of external batteries the TC-LINK can operate for more than ten years between battery changes.

Applications:

- civil structures sensing: concrete maturation
- industrial sensing networks: machine thermal management
- food and transportation systems: refrigeration, freezer performance monitoring
- advanced manufacturing: plastics processing, composite cure monitoring
- assembly line testing with smart packaging

Specifications:

- IEEE 802.15.4 standards based communication protocol
- 2.4 GHz direct sequence spread spectrum radio is license free worldwide
- 6 thermocouples per node provides low cost per channel
- support simultaneous data transmission from multiple nodes
- wireless communications range: 70 meters line-of-sight with standard antennas or up to 280 meters line-of-sight with high-gain antennas
- 2 MB non-volatile flash memory stores up to 300,000 data points
- 24 bit delta-sigma A/D
- on-board real-time clock
- supports type J, K, R, S, T, E, B thermocouples
- internal lithium ion rechargeable battery and advanced energy saving features
- Open serial protocol enables users to develop custom applications in LabVIEW, Visual Basic and C++ using our low-cost software development kit.

About MicroStrain Inc:

MicroStrain is a privately held corporation based in Williston Vermont. MicroStrain produces smart, wireless, microminiature displacement, orientation and strain sensors. Applications include advanced automotive controls, health monitoring, inspection of machines and civil structures, smart medical devices and navigation/control systems for unmanned vehicles. For further information please visit MicroStrain's website at www.microstrain.com or call 802-862-6629.

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Starter kits are available from \$1600 and individual nodes start at \$595.

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