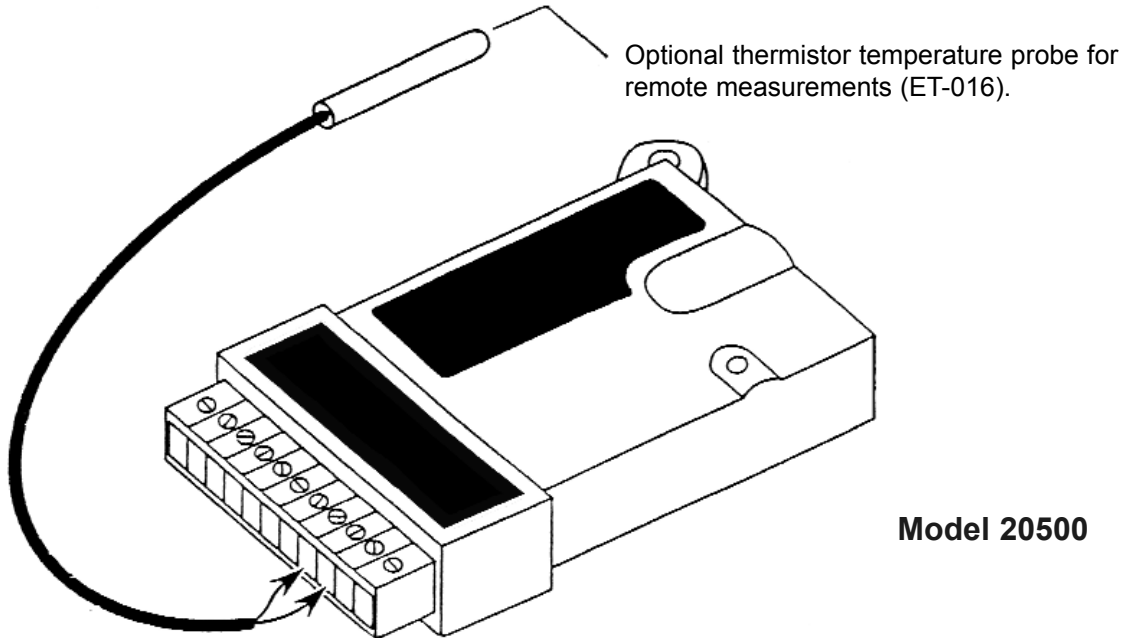


# T1

## Temperature Data Logger



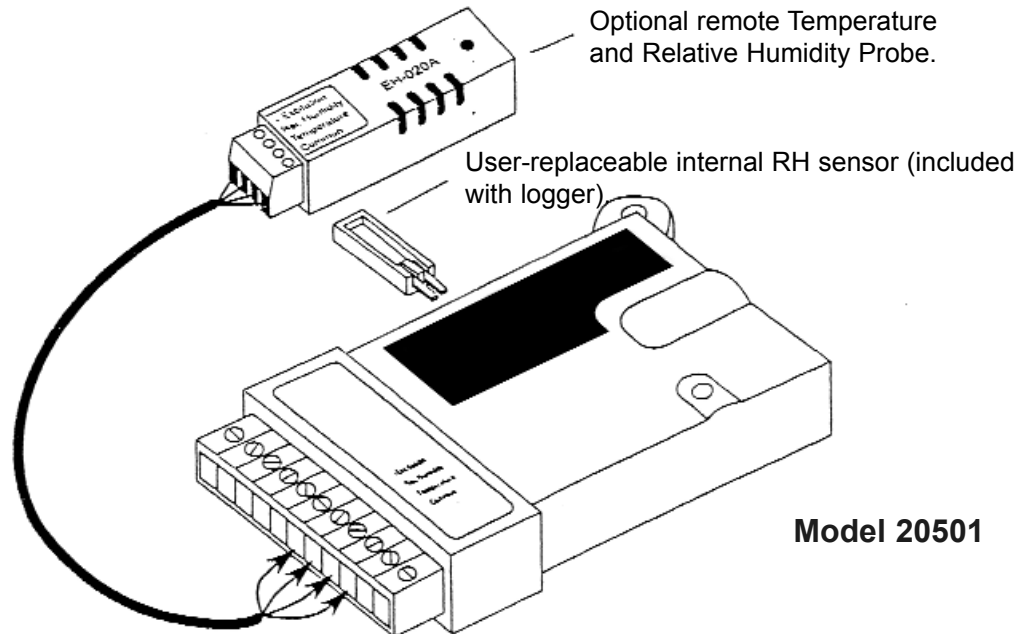
The DeltaTRAK T1 is an easy-to-use data logger designed for effortless temperature recording. Quick and simple to set up, it works right out of the box, logging temperature readings from its internal precision-calibrated on-board sensor. For added versatility, you can also use an optional remote ET Thermistor Temperature Probe. This will allow you to have two temperature channels logging simultaneously.

**Accessories:** The DeltaTRAK ET series of Themistor Probes, or any NTC thermistor probe.

**Specifications:** Two channles: One for the internal temperature sensor, and one external channel for remote sensing of temperature or resistance.

# TH2

## Temp/Humidity Logger



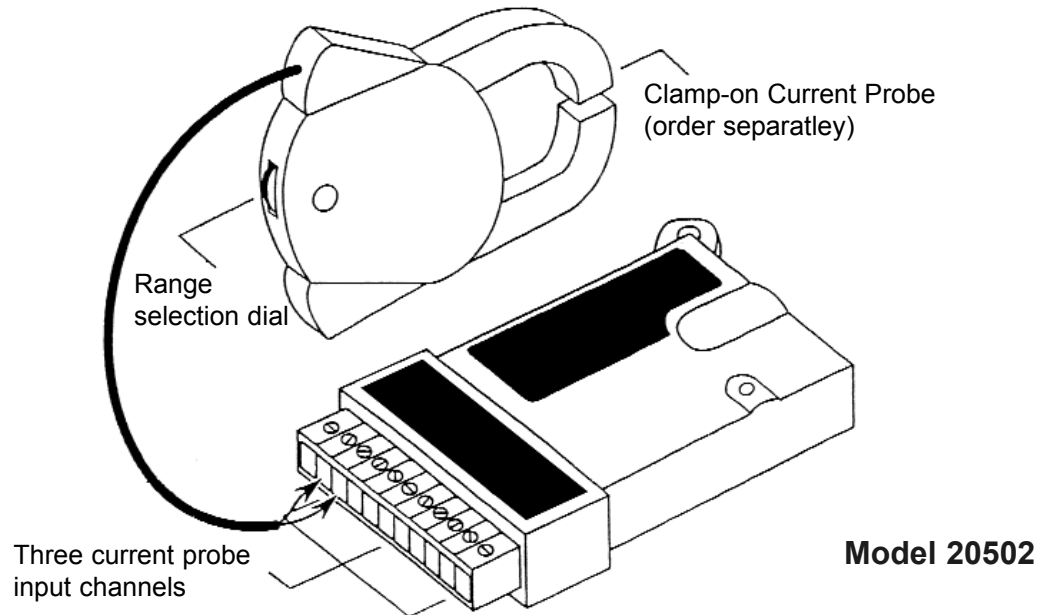
The **TH2** is a data logger designed for easy and reliable tracking of “air quality” conditions. It has a built-in temperature sensor has a life span from 2 to 5 years under normal circumstances, and is easily replaceable in the field so you can always be assured of accurate readings.

**Accessories:** RH-002 replaceable RH sensor, EH-020 remote temperature and relative humidity probe, ET Thermistor temperature probes of any NTC thermistor temperature probe.

**Specifications: Four channels:** One internal temperature sensor and one internal RH sensor. The remaining two channels are used by the EH-020 for external temperature and external RH monitoring. Changes in relative humidity cause the resistance of the electrically-conducting surface of the water (RH sensor) to vary. The TH2 measures the resistance and converts the reading to a percentage of RH. All RH readings are then temperature compensated by simultaneously-taken temperature readings from the RH sensors companion thermistor. External channels can also be used to measure temperature alone (with an ET thermistor probe), or can measure resistance.

# TE3

## Electric Current and Temperature Logger



The DeltaTRAK TE3 is an electronic data logger designed for easy recording of electrical A.C. current. This logger can be used with up to three external current probes accurate readings can be taken without breaking the circuitry.

**Applications:** Monitoring air conditioning or mechanical equipment; determining electrical consumption, troubleshooting production processes; tracking environmental conditions; checking out energy management strategies; obtaining equipment load profiles; confirming control sequences.

### **SPECIFICATIONS:**

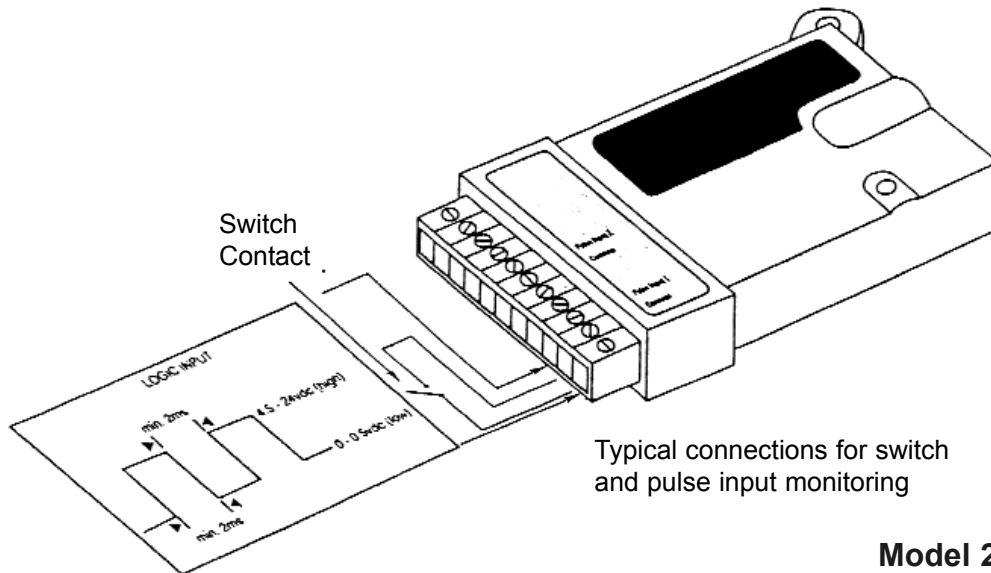
**No. of channels:** Four: one internal channel for ambient temperature and three external channels for A.C. current probes.

**Current Ranges:** With Amprobe A60 Current Probes/s: 5, 25, 100 and 250 amperes.  
With Amprobe A 70 Current Probe/s: 10, 50, 250 and 500 Amperes.

**Accuracy:**  $\pm 3\%$  F.S. +0.4 Amperes.

# PT3

## Pulse/Temperature Logger



**Model 20503**

The DeltaTRAK PT3 is a versatile data logger designed for easy counting and recording of switch contact closures voltage pulses. It has two input channels each with three selectable frequency ranges.

**Applications:** Monitoring flow conditions, energy use, wind speed, RPM, and environmental conditions.

### **SPECIFICATIONS:**

**No. of channels:** Three. (One internal thermistor and two external inputs for externally generated pulse signals or dry switch contact closures)

**Ranges:** 32 pulses/second; 64 pulses/second; 128 pulses/second

**Minimum pulse width:** 4 milliseconds

#### **Switch Contact Closure Input:**

Input type: Uncommitted switch or relay contacts.

#### **Logic Inputs:**

Logic type: Active logic signals.

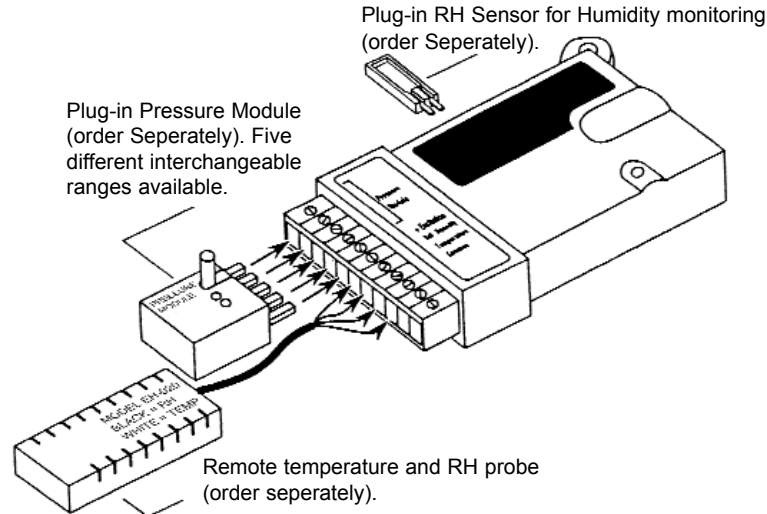
Input voltage: Low= 0 to 0.5 volts (DC).

High= 4.5 to 24 volts (DC).

**Input Impedance:** 750 K ohms.

# PTH4

## Pressure/Temperature/Humidity Data Logger



**Model 20504**

The DeltaTRAK PTH4 is a electronic data logger designed for easy monitoring and troubleshooting of pneumatic control and low-pressure duct systems. The unit is designed to work with optional plug-in Pressure Modules. The unit can also monitor Relative Humidity as well as remote temperature and humidity.

**Applications:** Performance tracking of pneumatic-controlled vales, dampers, thermostats, humidistats, switches, and compressors; checking energy management and control strategies.

**Accessories:** Pressure Modules, RH-002 Sensor, EH-020 Temperature/RH Probe, any ET Series Temperature Probes (thermistors).

**Ordering Guide:**

Order one or more Pressure Module.  
Five different interchangeable ranges available (listed below)

**Specifications:**

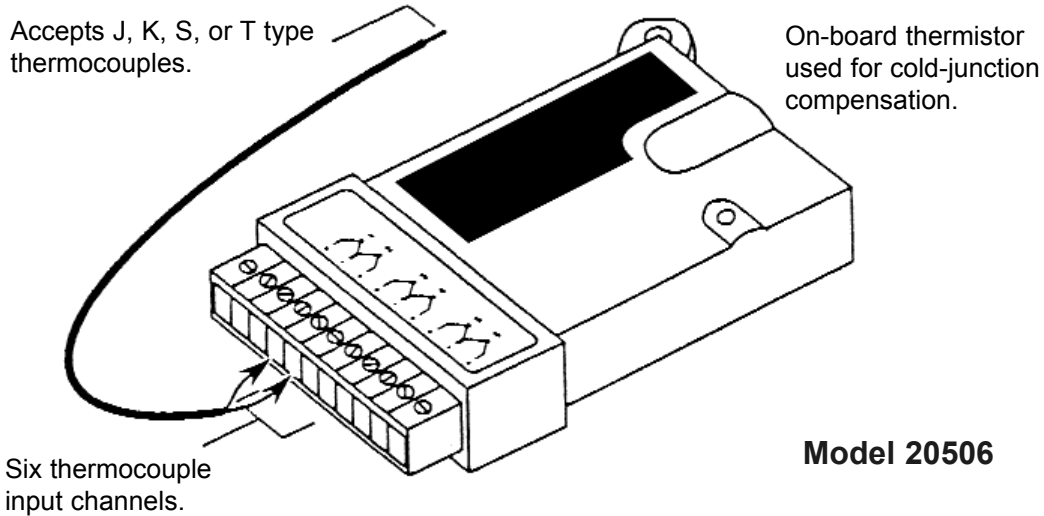
**No. of channels:** •One for ambient temperature. •One for optional Pressure Module. •One for optional RH Sensor. •One for optional remote thermistor (ET Series). •One for optional remote Temp/Humidity probe.

**Pressure Modules:**

Range	Resolution	Model No. Specification	
		Gauge	Absolute
0 to 5 psi (30kPa)	0.03 psi (0.15kPa)	PM-005-G	
0 to 30 psi (200kPa)	0.15 psi (0.5kPa)	PM-030-G	PM-030-A
0 to 100 psi (700kPa)	0.5 psi (3.5kPa)	PM-100-G	PM-100-A

# TC6

## Thermocouple Date Logger



**Model 20506**

The DeltaTRAK C6 has the capability of monitoring temperature from six external channels which accommodate any J, K, S, or T type of thermocouple sensor. There is also an on-board thermistor built into the body of the logger, which is used for cold-junction compensation. The TC6 is available in two models: the TC6-N (narrow channel) and the TC6-W (wide channel). DeltaTRAK does not supply thermocouples, however we can provide you with a list of sources.

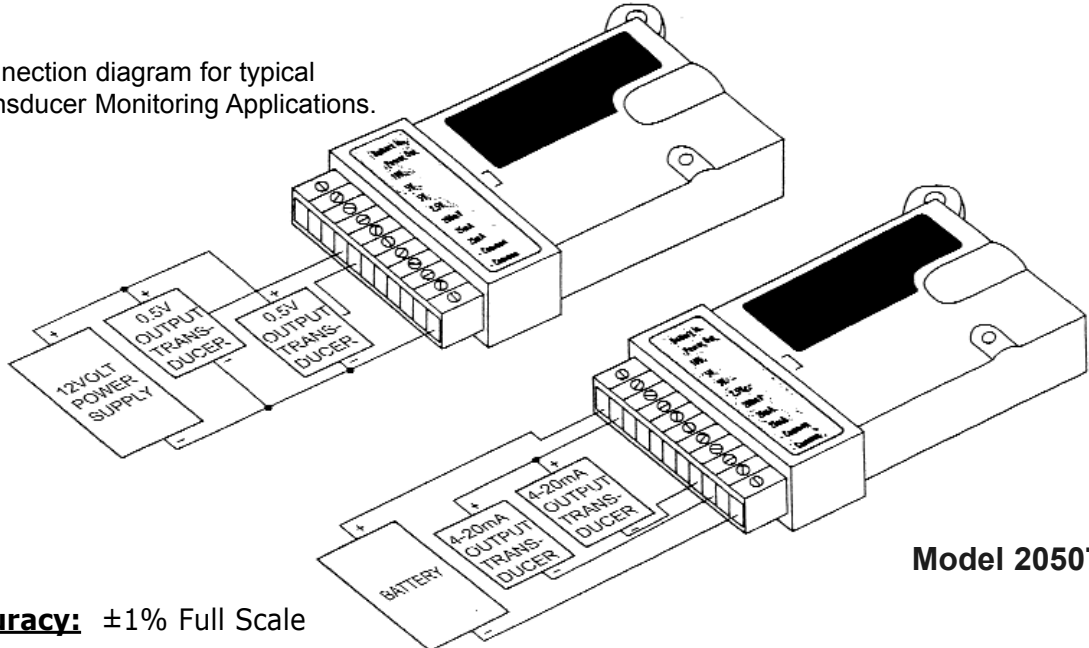
**INPUTS:** Thermocouple Temperature Range and Resolution for each TC6 channel.

	TC6-N		TC6-W	
Thermocouple TYPE:	Narrow Channels RANGE	Narrow channels RESOLUTION	Wide Channel RANGE	Wide Channel RESOLUTION
<b>J</b>	0° to 370°F -20° to 190°C	2.5°F 1.4°C	-55° to 1100°F -50° to 600°C	9°F 5°C
<b>K</b>	-10° to 440°F -25° to 230°C	3°F 1.7°C	-145° to 1650°F -100° to 1760°C	12°F 6.7°C
<b>S</b>	32° to 1750°F 0° to 960°C	12.6°F 7°C	32° to 3200°F 0° to 1760°C	41.5°F 23°C
<b>T</b>	-30° to 390°F -35° to 200°C	3°F 1.7°C	-325° to 750°F -200° to 400°C	12°F 6.7°C

# PS7

## Process Signal Data Logger

Connection diagram for typical  
Transducer Monitoring Applications.



**Accuracy:**  $\pm 1\%$  Full Scale

**Ranges:** Voltage and Current Inputs.

**Standard Ranges:** 0 to 2.5 volts D.C.

0 to 5.0 volts D.C. (2 channels)

0 to 10.0 volts D.C.

0 to 200 millivolts D.C.

0 to 25 milliamps D.C. (2 channels)

**Maximum Voltage:**  $\pm 40$  volts (reverse-polarity protected)

**Input Impedances:** Greater than 1M ohm (200mV channel)  
Greater than 1M ohm (0 to 2.5 V channel)  
20K ohms (0 to 5.0 V channel)  
40.9K ohms (0 to 10.0 V channel)  
100 omhs (0 to 25 mA channels)

**Transducer Restrictions:** Compatible with three-wire transducer (with one power input, one signal output, and one common (-) only). Maximum use of one single power supply only per logger.

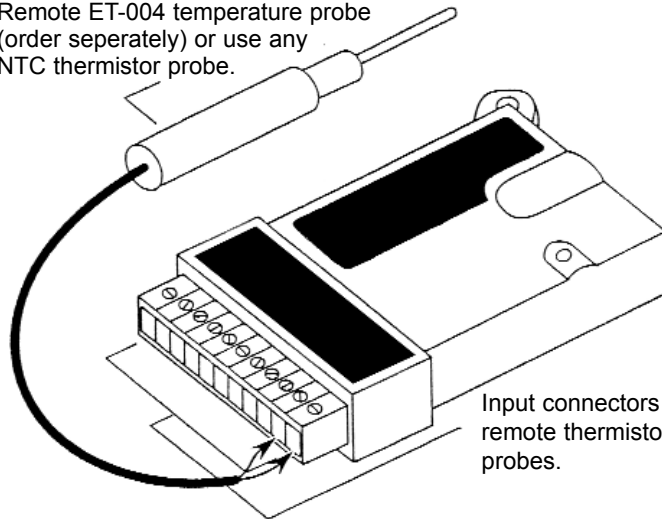
The DeltaTRAK PS7 is a versatile electronic data logger designed for easy recording of common signal variables. It has seven input channels and is ideal for monitoring a wide variety of measurement parameters including temperature, humidity, pressure, wind speed, current, voltage, power and much more. This is accomplished by using external transducers which are commercially available (purchase separately).

**No. of Channels:** One internal channel for ambient temperature and seven external channels for analog voltage and current loop signals.

# T8

## Eight Channel Temperature Logger

Remote ET-004 temperature probe  
(order separately) or use any  
NTC thermistor probe.



Input connectors for up to seven  
remote thermistor temperature  
probes.

**Model 20508**

The T8 is a data logger designed for trouble free multi-point temperature logging. It can measure up to eight different locations simultaneously using optional temperature probes with various temperature ranges; from as low as  $-75^{\circ}\text{F}$  ( $-60^{\circ}\text{C}$ ) to as  $490^{\circ}\text{F}$  ( $255^{\circ}\text{C}$ ).

**Accessories:** ET Thermistor temperature probes, or any NTC type thermistor probe.

**Specifications:** Eight channels: One internal (built-in) temperature sensor and seven external channels for measuring temperature resistance.