



PhoenixTM
Phoenix Temperature Measurement

Where experience counts!!



PhoenixTM High Accuracy Data Loggers for Temperature Uniformity Surveys

PhoenixTM design instrumentation for use in industrial processes. At PhoenixTM we believe that Data Loggers for furnace surveying must be built to operate in harsh environments while maintaining high accuracy throughout their operating temperature range. The PTM 3020 Data Loggers include these key features:

- No complex keypad programming sequences, simple to set up in the comprehensive software package supplied.
- A tough stainless steel casing ensures that the PhoenixTM Data Logger is rugged and able to operate in heat treatment shops that may be hot, dusty, and humid.
- All Phoenix Temperature Measurement loggers meet and exceed the demanding accuracy requirements of aerospace and automobile heat treating specifications such as AMS2750E and CQI-9.
- The PTM 3020 Data Logger has been designed to use standard, 'AA' size alkaline batteries. It requires no external power source, making it a truly free standing instrument.
- Real time data transmission via USB cable to a PC is standard. Optional RF Telemetry output from a built in transmitter is possible. This allows transmission to a remote office for example.
- The PTM 3020 can be configured to suit your needs. For example 20 channels type K, 20 channels type N, or 10 channels type K and 10 channels type N etc. (see over for more combinations).

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PTM3 SERIES SURVEY DATA LOGGERS



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Technical Data

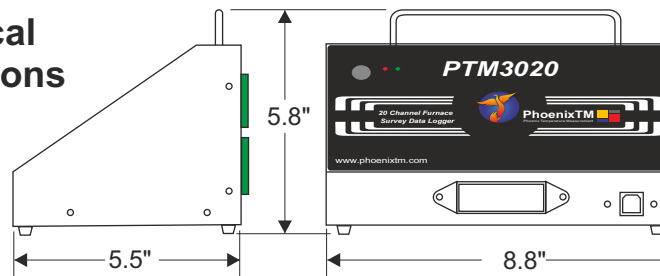
Model # (standard):	PTM3-020		
No. of channels:	20		
Thermocouple types:(K, N, S, R, etc.)	K	N	S/R
Measuring range:	-148°F to +2498°F	-148°F to +2372°F	32°F to +3200°F
Accuracy:	±0.5°F		±1.3°F
Resolution:	0.2°F		
Memory total:	Up to 440,000 data points depending on number of channels selected		
Operating temperature range:	32°F to 130°F		
Battery type:	4 x 'AA' Alkaline replaceable batteries		
Battery life:	Up to 600 hours*		
Sampling interval:	From 0.5s to 1 hour (minimum 1.0s when RF or USB telemetry used)		
Logger start by:	Time, temperature, start button, or software		
Real time data transmission:	Via USB cable as standard, via RF telemetry optional		
Thermocouple connections:	Both miniature and standard plugs		
Weight:	4.6 lb		

Note: As products are continually improved, specifications may be changed without prior notice.

*depending on use of RF telemetry, and sampling interval



Physical Dimensions

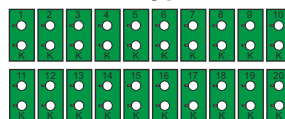


Possible Thermocouple Combinations (IEC Code)

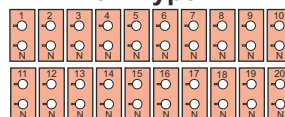
(For more options contact PhoenixTM Ltd)



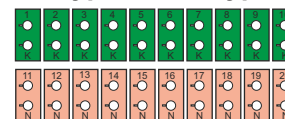
20 x Type K



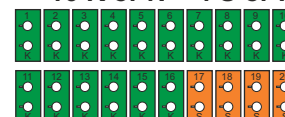
20 x Type N



10 x Type K + 10 Type N




16 K or N + 4 S or R



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Represented by:

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