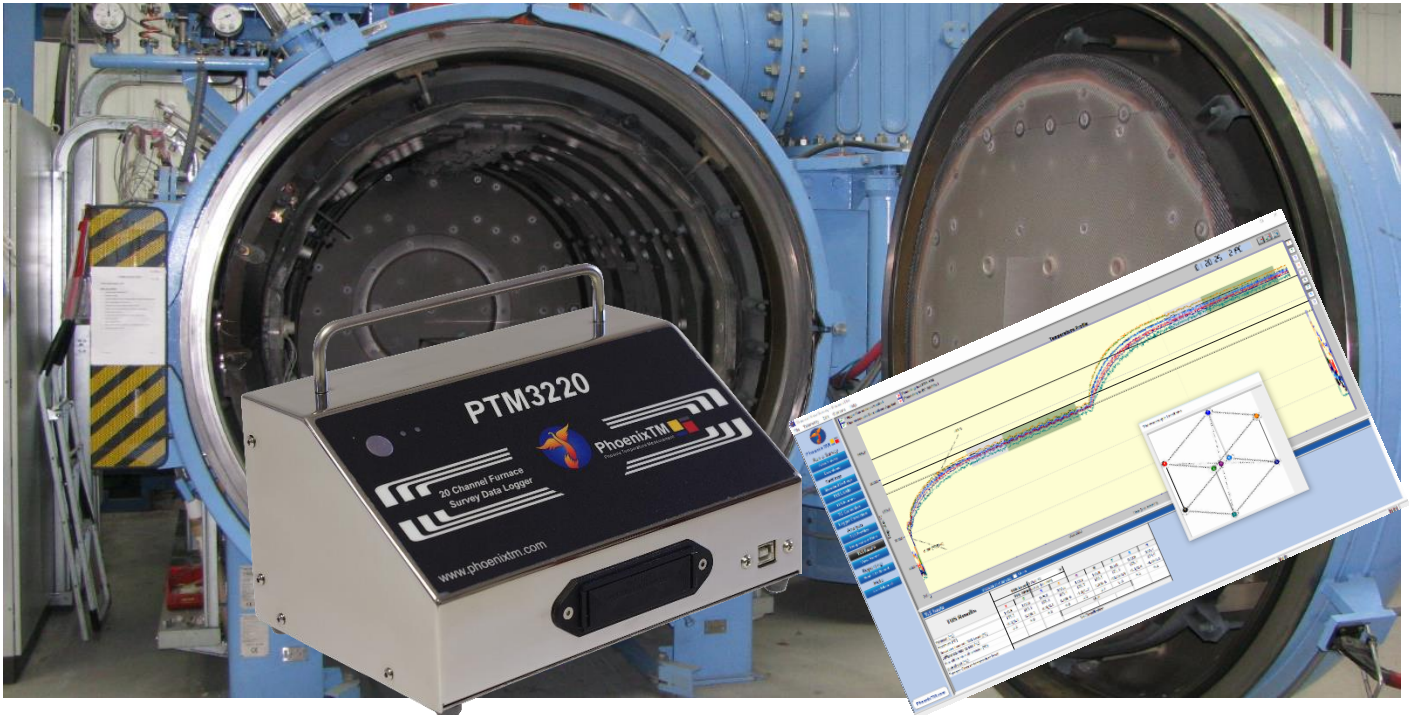




**PhoenixTM**  
Phoenix Temperature Measurement

*Where experience counts!!*

## PhoenixTM High Accuracy Data Loggers for Temperature Uniformity Surveys



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 3210 (10 channel) and PTM 3220 (20 Channel) Data Loggers include these key features:

- Data logger calibration correction factors can be stored in memory after authorized calibration and uploaded to the analysis software. A signed PDF copy of the certificate of calibration can also be downloaded from the data logger and printed as required.
- Meets and exceeds all the requirements of AMS2750 (latest version), and CQI-9.
- 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.
- The 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.
- Bluetooth capability to allow wireless logger connection for download and reset.
- Real time data transmission via Bluetooth and USB cable to a PC is standard. Optional two-way RF telemetry from a built-in transmitter is available. This allows transmission to a remote office for example. Two-way telemetry allows for data catch up if the RF signal has been temporarily interrupted.
- The PTM 3210 and PTM 3220 thermocouple types 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).
- Internal cold junction compensation with feedback error detection and noise reduction, which ensures accurate and reliable data over the operating range of the data logger.



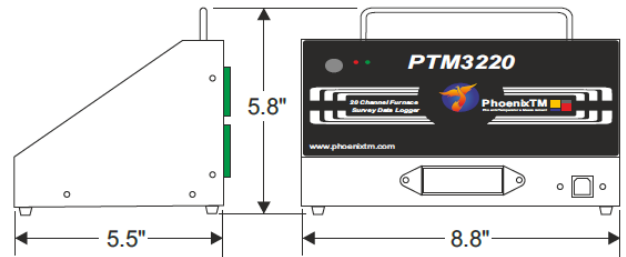
**PhoenixTM**  
Phoenix Temperature Measurement

# Specifications

Model	PTM3-220			PTM3-210	
No Channels	20			10	
Thermocouple Types	K	N	S/R	K	N
Measuring range	-148 °F to +2498 °F	-148 °F to +2372 °F	32 °F to +3200 °F	-148 °F to +2498 °F	-148 °F to +2372 °F
Accuracy	±0.5 °F	±0.5 °F	±1.3 °F	±0.5 °F	±0.5 °F
Resolution	0.2 °F				
Memory Total	Up to 3.8 million data points				
Operating Temperature Range	32 °F to +131 °F				
Battery Type	4 x 'AA' Alkaline replaceable batteries				
Battery Life	Up to 1000 hours (depending on operating temperature, telemetry use & sampling interval)				
Sample Interval	From 0.2s to 1 hour (minimum 1.0 s when RF, Bluetooth, or USB telemetry used)				
Logger Start by	Date & Time, Temperature, Start Button or Software (RF Telemetry* if supplied)				
Real Time data transmission	Via USB cable & Bluetooth as standard, via 2-way RF Telemetry* optional				
Thermocouple connections	Standard or miniature plugs (please specify)				
Weight	4.6 lb				



## Physical Dimensions (inch)



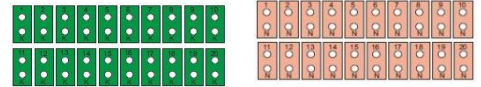
## Possible Thermocouple Combinations (IEC Code)



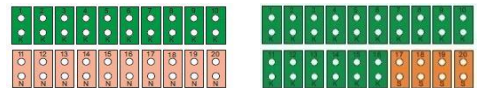
PTM3-210 10 x Type K or N



PTM3-220 20 x Type K or N



PTM3-220  
10 x Type K + 10 Type N  
16 x Type K + 4 Type S or R



\*RF Telemetry operation only available with the following software package: Thermal View Plus, Survey, Finishing and Food.

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

Ref: PhoenixTM\_Datasheet\_PT M3 External Data Logger\_10.2\_USA 20191024

## Represented by:



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