

TempTrac Pro™



Non-Contact Temperature Measurement System for Wire & Cable

TempTrac Pro Temperature Sensor

Measuring the preheat temperature of your wire and cable with the highest accuracy

A range of TempTrac Pro sensors are available and suitable for wire diameters from 0.28 to 2.80 mm (0.01 to 0.12 in) on Beta LaserMike Preheaters. The sensor head includes 4 sensors and is slotted for fast, easy line integration. TempTrac Pro sensors can measure temperatures from 10 to 300°C (50 to 482°F).

- Based on Newton's law of cooling and the "convective heat-flow principle"
- NO optics, no calibration
- Effectively measures wire and cable temperatures regardless of product color, emission grade, structure or material composition
- Slotted head for "on-the-fly" integration
- Process speeds up to 8200 ft/min



TempTrac Pro Temperature Controller

Closing the loop to improve process efficiency, product quality and minimize waste

The TempTrac Pro Temperature Controller can be provided as a stand-alone system or can be integrated with the Beta LaserMike Preheating system.

- Feature-rich controller offers applications versatility and clear, user-friendly operator interface
- Additional interfaces available for data output and communication
- Built with high-performance components and circuits for best precision and accuracy
- Various chassis options for easy integration and panel mounting

Technical Data	
Display	High resolution 7" touch screen
Mains supply	120 V 50/60 Hz (230 V 50/60 Hz)
Power consumption	Approx. 15 W maximum 1,000 W during heat up
Accuracy	±1.8°F (± 1.0°C)
Max. process speed	8,200 ft./min (2,500 m/min)
Interfaces	Analog 0-10V RS422 USB2.0
Ambient temperature for electronics module	32° - 113°F (0° - 45°C)

www.betalasermike.com



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TempTrac Pro Temperature Controller



Beta LaserMike Wire Preheating Systems

In-Process Wire Heating

Beta LaserMike Preheaters provide uniform, in-process wire heating to eliminate insulation voids in primary cables. When a wire is preheated for only fractions of a second by a low frequency (50/60 Hz) heat cycle, the heat is unevenly applied to the wire, resulting in hot and cold spots. When high frequency preheating is used, more heat cycles are applied to the wire, ensuring more consistent heating all along the length of the wire. For this reason, all Beta LaserMike Preheaters use high frequency heating. Beta LaserMike offers a full range of models to meet your unique wire preheating needs.



Precision Measurement & Control Solutions

The Beta LaserMike line of measurement and control solutions from NDC Technologies is designed to increase productivity, improve product quality and reduce manufacturing costs. These solutions provide in-process dimensional monitoring, control and sample/part inspection of products such as wire and cable, fiber optics, metals, rubber and plastic, flat rolled goods and tube and pipe to name a few. Every system is backed by NDC's world-class service and support organization. With offices around the globe, we're committed to serving your unique measurement application needs.

Visit myNDC service cloud at ndc.custhelp.com.

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