

Contactless Temperature Measurement

The OptoTemp sensor from wenglor





Monitoring the Temperatures of Processes and Systems

The temperature sensor OptoTemp performs quick measurement without contacting the object or influencing it in any way. Its multifunctional capabilities make it possible to compare setpoints with actual values, and permit absolute temperature measurement within a range of -25 to $+350^{\circ}\text{C}$ – regardless of the object's material, size or state of aggregation. And thus it's a unique all-around sensor for monitoring temperatures in a great variety of applications. This results in ideal conditions for processes and systems with high levels of quality assurance, as well as increased productivity thanks to reduced downtime.



- **Measuring range: -25 to 350°C or -13 to 662°F**
- **2 switching outputs** for simple setpoint versus actual value comparison
- **1 freely scalable analog output** for absolute temperature measurement
- **Output functions can be configured as desired** (PNP, NPN, NO, NC)
- **wTeach2 software** via RS-232 interface
- **Display and laser alignment tool** for simple initial start-up
- **Adjustable emission factor from 0.1 to 1**





Unlimited Applications Diversity in Actual Practice



Woodworking Industry

Correct viscosity of glues and adhesives is assured by means of precise temperature measurement when gluing veneered and laminated board materials or wooden edges.



Food Industry

OptoTemp sensors monitor consistent compliance with the cold chain during production and processing of meats in the food industry.



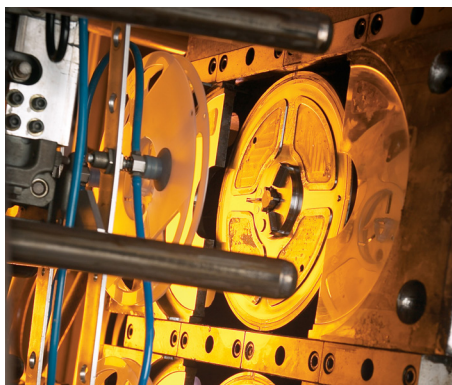
Tire Industry

OptoTemp sensors monitor the entire baking process during vulcanization in order to ensure ideal thermal conditions when amalgamating rubber mixtures.



Equipment Manufacturing

Contactless temperature measurement is a suitable means of preventive maintenance for equipment and machines. It provides protection from overheating, and thus increases machine and equipment safety and reliability.



Plastics Industry

High levels of quality in plastics production necessitate continuous temperature monitoring and analysis. OptoTemp sensors measure temperature at several places in order to monitor the quality of injection moldings.



Paper Industry

During the paper manufacturing process, OptoTemp sensors perform measurements at paper rollers and drying cylinders in order to monitor the drying process.



Discover further innovations.



More information concerning our products is available at:
www.wenglor.com