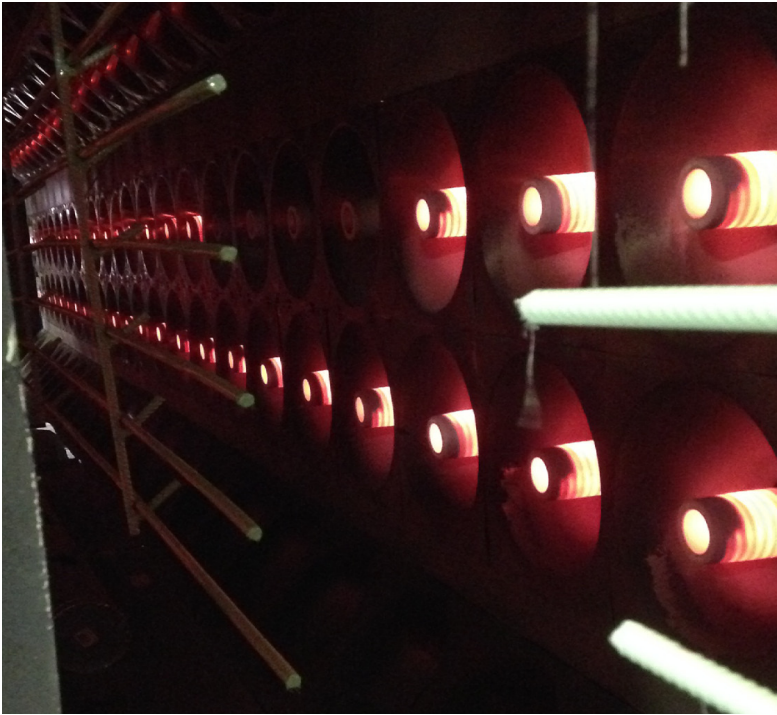


Sahara INDUSTRIAL OVENS

IR Ovens Infrared Process Heating

Sahara Industrial Infrared Process Heating Ovens offer a range of sizes and heating infrared emitters to meet a variety of applications.

Benko Products is not restricted to industrial oven standard model sizes, instead, will custom build an industrial IR oven to your specifications.



The Problem

- Prior to curing, operators are required to confirm part temperature using handheld IR guns or grease pens.
- Operator must stop hanging (setting) parts to confirm part temperature. Often, two to three attempts are required for an accurate part surface temperature measurement.



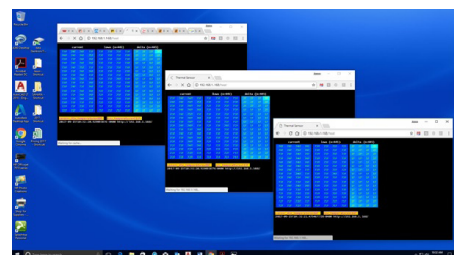
The Solution

- Automate part temperature measurement
- Allow the operator to set parts and monitor part temperature simultaneously
- Continuous part temperature measurement and digital recording
- Provide remote monitoring, simultaneously view multiple products and process lines
- Correct over cure conditions
- Log & report over cure conditions
- Control with non-contact thermometer insures optimal drying of the final product

BENKO Advanced Process Control

View process temperatures remotely from any network PC

Record and report conditions and make corrective actions



Designed and
Manufactured by:

BENKO PRODUCTS
ENGINEERED TO BE MORE

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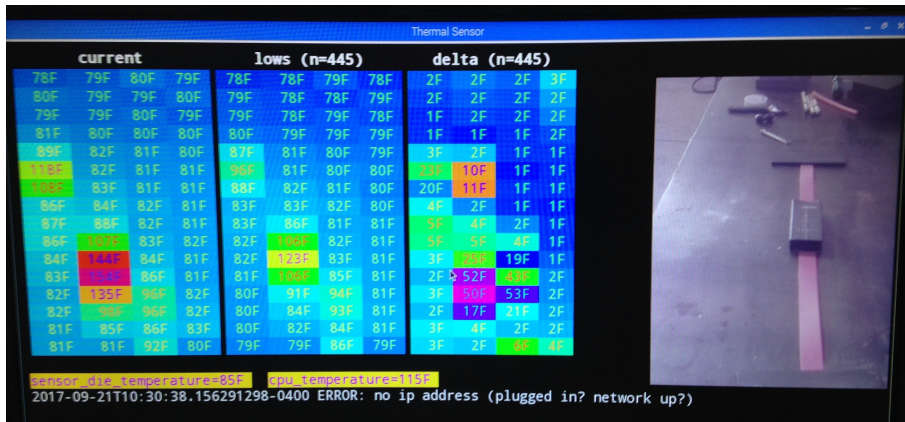
Description

The Sahara Infrared Process Controller has many unique features. The sensor is a fully calibrated 16x4 pixels IR array in an industrial enclosure. And includes, HDMI display out, USB Mouse & Keyboard ports, and Ethernet network connection.

- Non-contact temperature measurements
- Automates temperature of moving parts
- Provides part temperature deviation alerts

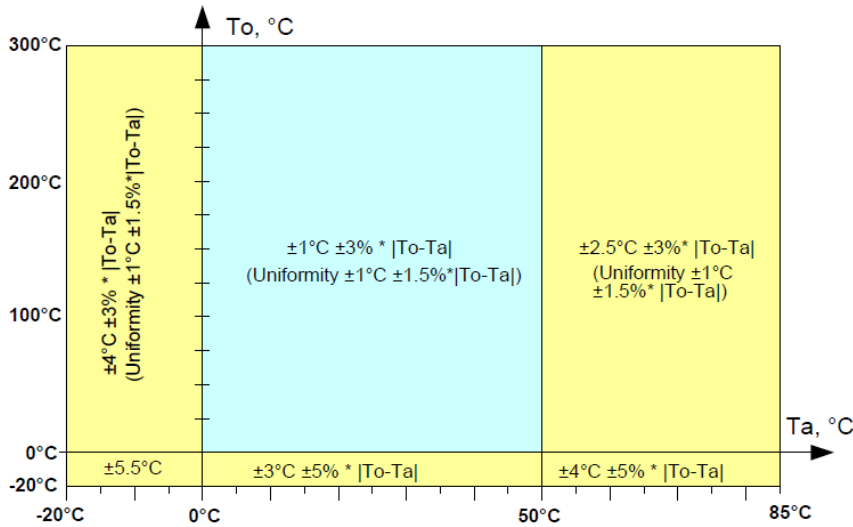
HDMI Display

The display includes three temperature references and a view of the process parts. Including current temp, temp deviation, and recorded precess deviation



Temperature Accuracy

The accuracy is specified for the most central pixels. Accuracy of the border pixels is according to the uniformity statement. Furthermore, the accuracy is only valid if the object fills a single pixel completely.



All accuracy specifications apply under settled isothermal conditions only

Contact us for more information on a process solution for your application!

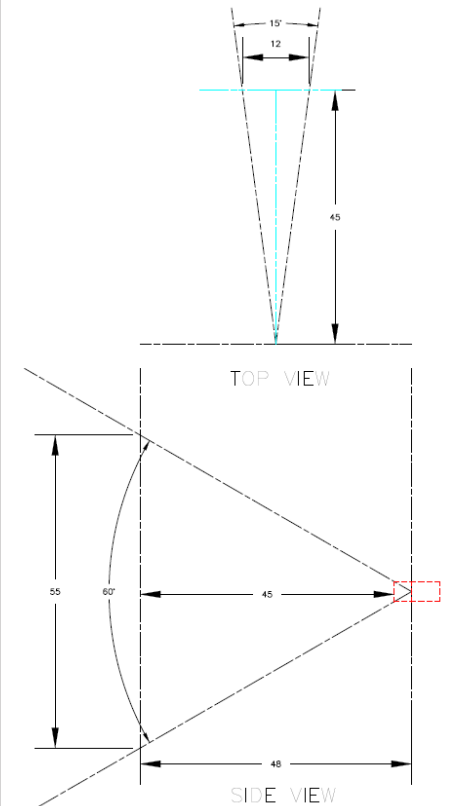
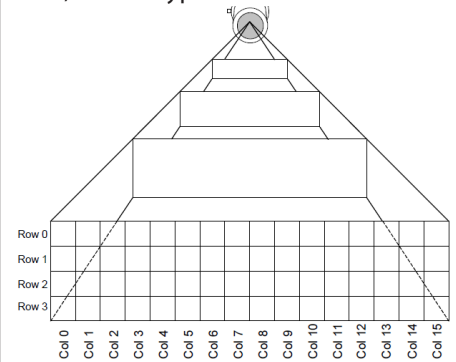
Temperature Range

Max object temperature calibrated at 300C (572F)

Max environment without cooling aid, 260C (500F)

Field of View

The FOV is 12deg. x 60deg., 16x4 pixels. A point of heat source at 45", is a 12"x55" area, 3"x3.4" typical calibrated cells.



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WARRANTY: All products manufactured by Benko Products, Inc. have a two (2) year warranty (unless otherwise specified) from the date of shipment against defects in workmanship or material. Any part or component, except items covered by warranties of other manufacturers, returned to the factory or service center freight prepaid by the owner, found upon examination by Benko Products, Inc. to be defective or the result of improper workmanship by the factory will be repaired or replaced without charge and returned to the owner freight prepaid by Benko Products, Inc. Any alterations of Benko Products, Inc. products void any warranty or liability on the part of Benko Products, Inc. Benko Products, Inc. does not guarantee product capacity if alterations are made.