



-Not applicable to general IR thermography

Process Temp. Management of Copper Elongate Products

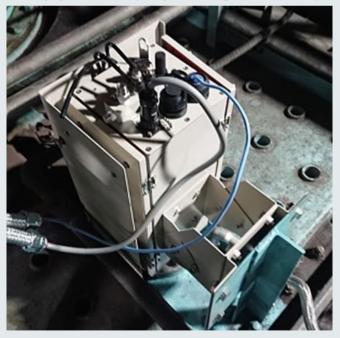


- -Due to reflection, accurate measurement of metal during heating in chamber is difficult.
- -100% pull test is difficult for coiled products.
- Avio Solution!!
 - **♦**World's First!*

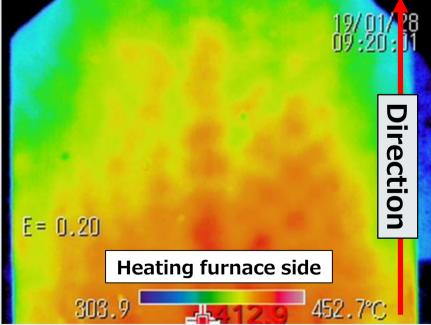
Metal surface temp. - impossible by general IR camera

- 2 dimensional measurement, not only point!
 Check temp. unevenness for supporting data of pull test.
- **♦** System extensibility!

Data acquisition at optimum range with use of PLC Supporting quality management by temp. distribution of mold.



Thermography is placed in a housing to avoid seasonal environmental influence.



Temp. is measured by TS300SW, metal measurement model, after Cu product is transferred from furnace to cooling chamber.

*July 2017. Our investigation It may be affected by surroundings depending on environmental conditions.



Avio Thermography Line up for **Special Measurement**

Metal Measurement Model TS300SW

Custom order item

Pixels: 320 x 256

Frame rate: 100Hz

External I/F: Gig-E

Range: 160℃~(AI)

180°C~(Cu)

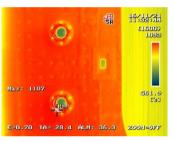


- → Custom order item
- → Various lens are available by C-Mount mechanism
- → High speed temperature transition can be measured by min. 5µs exposure time.

■ R300BP-TF

- Measurement through flame
- Wavelength: 3.7~3.9µm
- Range: 400~1500℃

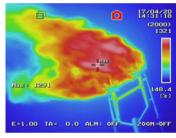




■ R300BP-OF

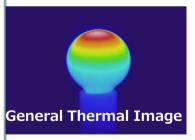
- Measurement of flame
- Wavelength: 4.25 to 4.75µm
- Range: 600~2000℃





■R300BP-TG

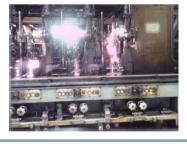
- Measurement through glass
- Wavelength: 3.0 to 3.5µm
- Range: 500~1000℃

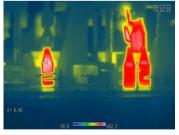




■ R300BP-OG

- Measurement of glass surface
- Wavelength: 5.2 to 7.4µm
- Range: 400~1500℃





Avio offers most suitable model for all of your measurement needs.



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WARNINGS & CAUTIONS

Before using this product, please carefully read the provided Operation Manual "WARNINGS" & "CAUTIONS" section to ensure proper operation Please do not place the product in high temperature, high humidity or high inert gas environments.

Distributor: