



Temperature Measurement of Heating Furnace through Fire



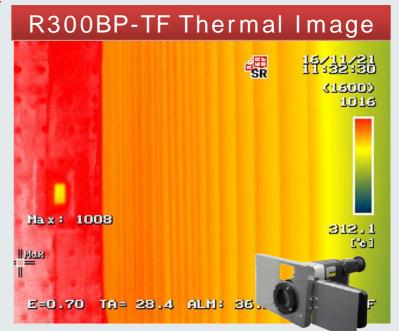
- Internal temperature measurement is required while furnace is active, in order to determine maintenance schedule.
- Furnace thermocouple is attached, but temperature of other positions are also concerned.

Avio Solution

- ◆Maintenance free by un-cooled sensor
- ◆Quick start up after power on
- ◆Special wavelength(3.7~3.9µm) band pass filter allows measurement through fire!
- ◆Protective shield keeps operator safe from radiant heat CBM(Condition Based Maintenance) is possible while furnace is running

Visible Image

Internal wall surface is heated by complete combustion flame (Approx. 1000) radiated from nozzle.



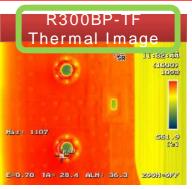
Real-time abnormal temp. check of nozzle and wall surface is available through flame. *Measured by model R300BP-TF

Avio "R300BP Series" for Special Measurement

R300BP-TF

- Measurement though fire
- Wavelength: 3.7 to 3.9 µm
- Range: 400~1500
- Resolution: 4.0 at 400
- Accuracy: ±4%
- Number of Pixels: 320 x 240

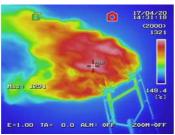




R300BP-OF

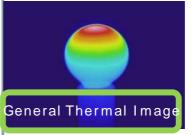
- Measurement of flame
- Wavelength: 4.25 to 4.75µm
- Range: 600~2000

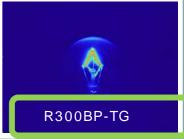




R300BP-TG

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

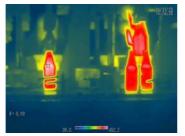




R300BP-OG

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





Please ask us of your requirements such as band pass filters and/or additional range of 0 $(8-14\mu m)$

For R&D purchase of special wavelength

H9000 High-spec IR Camera

- ◆ Frequency: Max 1KHz (Windowing時)
- Sensitivity: 0.025
- ◆ Resolution: 640 x 512
- ◆ FOV: 21.7°×17.5°
- ♦ IFOV: 0.6µm



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: