Seeing-Through Measurement
Over quarts window and/or through fire

Challenge
- Quarts window is not allowed to detach by rule
- Fire is detected when observing through a window

Avio Solution!
- All R300BP has sensitivity of short wavelength, which enables measurement through quartz glass.
- R300BP-TF allows to measure through quartz glass and through fire

(Manufacturing of Optical fiber base material by VAD method, etc.)

All R300BP model allows to measure through quartz glass

General thermography

Through quarts \(\rightarrow\) Direct view

E = 1.00

Through quartz glass measurement is NOT possible by long wavelength sensitivity

R300BP-TF

Through quarts \(\rightarrow\) Direct view

E = 1.00

Through quartz glass/fire views helps to observe shape of object and relative temperature measurement.
Avio "R300BP Series" for Special Measurement

**R300BP-TF**
- Measurement through fire
- Wavelength: 3.7 to 3.9μm
- Range: 400~1500°C
- Resolution: 4.0°C at 400°C
- Accuracy: ±4%
- Number of Pixels: 320 x 240

**R300BP-OF**
- Measurement of flame
- Wavelength: 4.25 to 4.75μm
- Range: 600~2000°C

**R300BP-TG**
- Measurement through glass
- Wavelength: 3.0 to 3.5μm
- Range: 500~1000°C

**R300BP-OG**
- Measurement of glass surface
- Wavelength: 5.2 to 7.4μm
- Range: 400~1500°C

Please ask us of your requirements such as band pass filters and/or additional range of 0~500°C (8-14μm)

For R&D purchase of special wavelength

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: