



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

Challenge

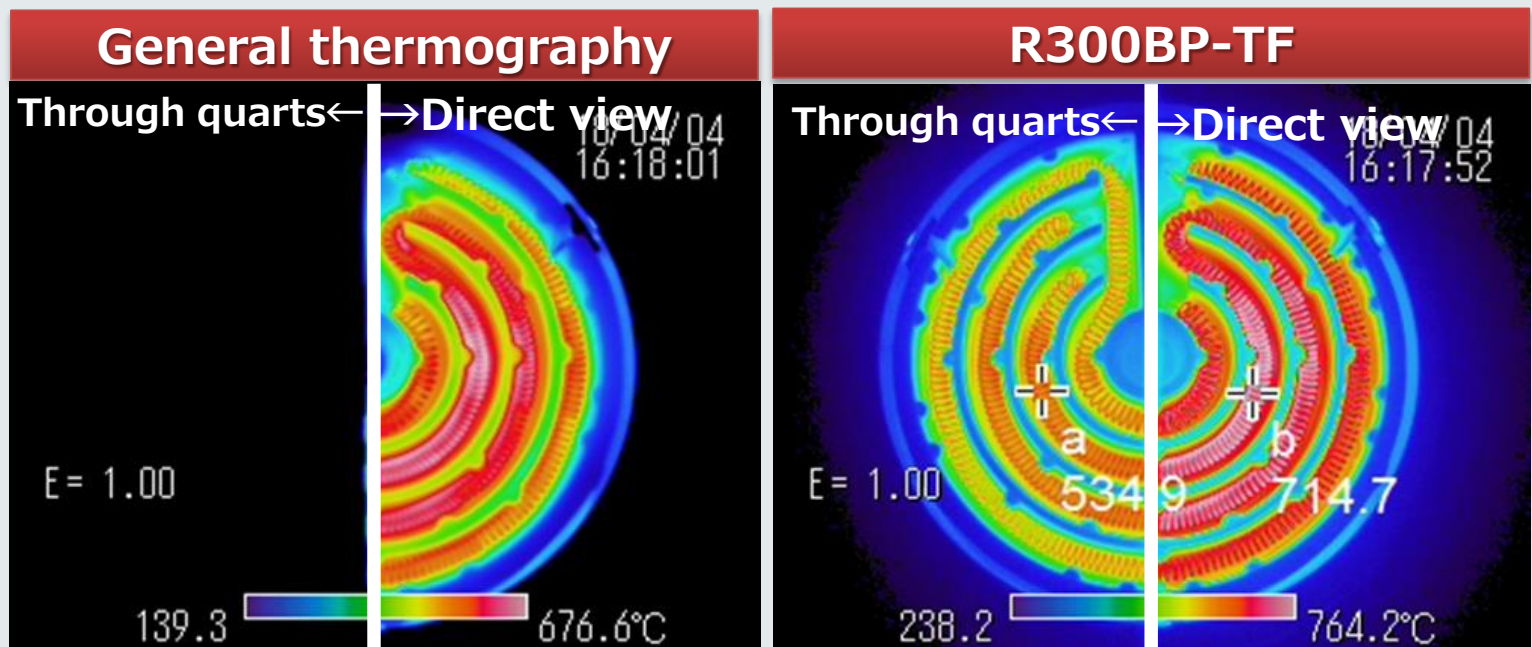
- Quarts window is not allowed to detach by rule
- Fire is detected when observing through a window

■ 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



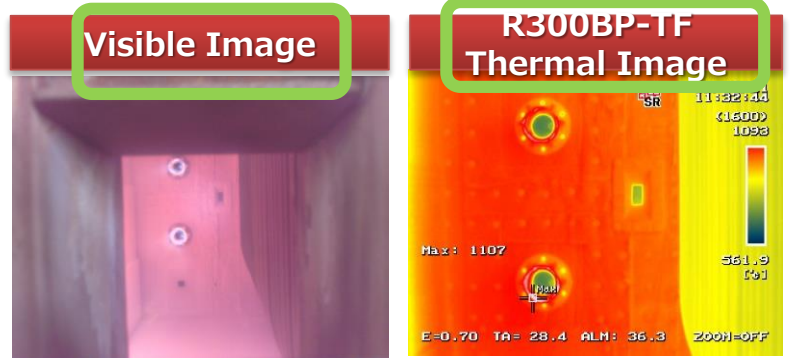
Through quartz glass measurement is NOT possible by long wavelength sensitivity

Through quartz glass/fire views helps to observe shape of object and relative temperature measurement.

Avio "R300BP Series" for Special Measurement

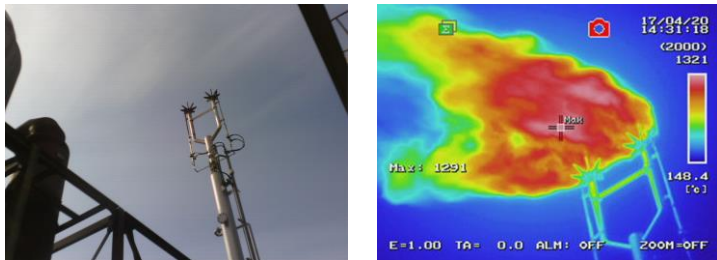
■ R300BP-TF

- ◆ Measurement through fire
- ◆ Wavelength : 3.7 to 3.9 μ m
- ◆ Range : 400~1500 $^{\circ}$ C
- ◆ Resolution : 4.0 $^{\circ}$ C at 400 $^{\circ}$ C
- ◆ Accuracy : \pm 4%
- ◆ Number of Pixels: 320 x 240



■ R300BP-OF

- ◆ Measurement of flame
- ◆ Wavelength : 4.25 to 4.75 μ m
- ◆ Range : 600~2000 $^{\circ}$ C



■ R300BP-TG

- ◆ Measurement through glass
- ◆ Wavelength : 3.0 to 3.5 μ m
- ◆ Range : 500~1000 $^{\circ}$ C



■ R300BP-OG

- ◆ Measurement of glass surface
- ◆ Wavelength : 5.2 to 7.4 μ m
- ◆ Range : 400~1500 $^{\circ}$ C



Please ask us of your requirements such as band pass filters and/or additional range of 0 ~500 $^{\circ}$ C(8-14 μ m)

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: