

Micron Wavelength Guide



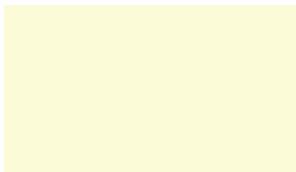
0.55 μm . . . 1.8 μm

Best for metal surfaces, induction heating, vacuum / furnaces, kilns (lime cement), composites, ceramics, laser heating, welding, molten glass, silicon wafers (0.9 μm).



2.0 μm . . . 2.8 μm

Low temp. (50°C) metals / shiny materials, views through quartz, sapphire, & glass windows.



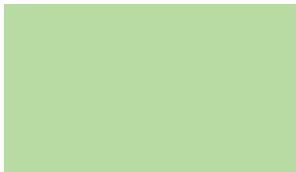
3.0 μm . . . 5.0 μm

Low temperature for special / vacuum application, views through sapphire window.



3.9 μm

Measurements through clean flames & hot combustible gas, glass forming.



4.5/4.6 μm

Measurement of CO₂ flue gases and flames, furnaces and power generating boilers.



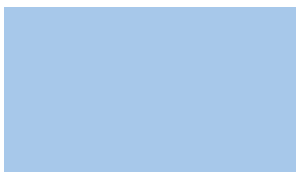
4.8 μm . . . 5.2 μm

Glass surfaces > 1mm thickness.



7.9 μm

Ultra-thin glass surfaces, < 1 mm thickness. Thin plastics (1 mil.), nylon, teflon, polyurethane, acrylic, PVC, mylar, flouroplastic, polyimide.



8 μm . . . 14 μm

Low temperature (-40°C), low cost, measurement of dull surfaces, plastics (> 30 mils.)

