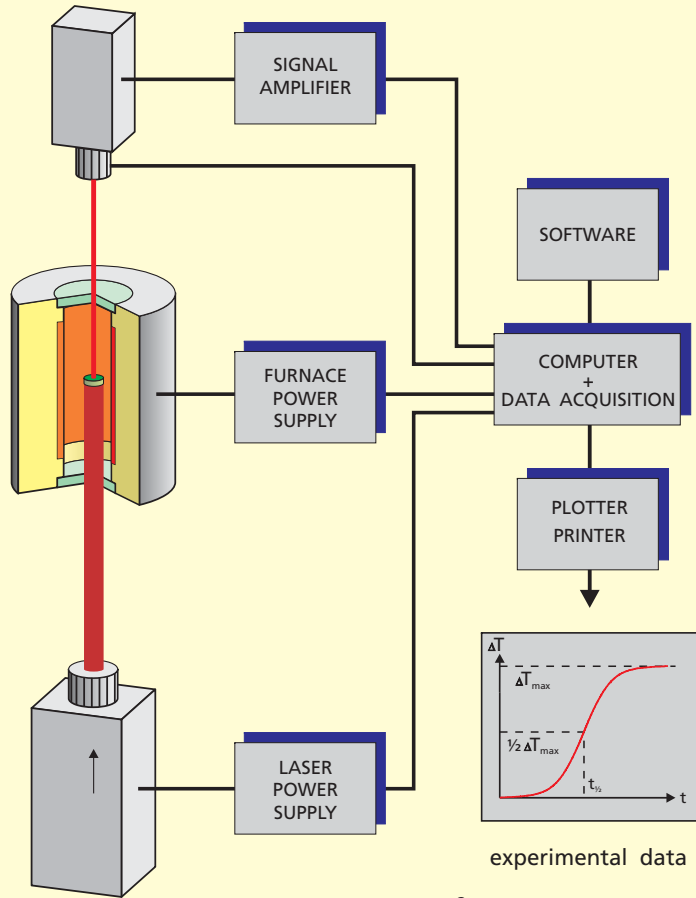


# Laser Flash Apparatus LFA 427



$$\alpha = \frac{0.1388 \times l^2}{t_{1/2}}$$

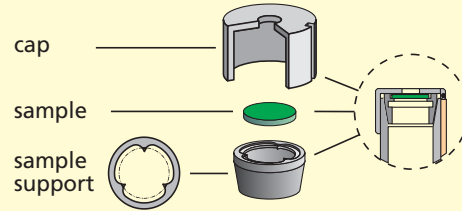
$\alpha$  = thermal diffusivity in  $\text{cm}^2/\text{s}$

$l$  = thickness of the test sample in cm

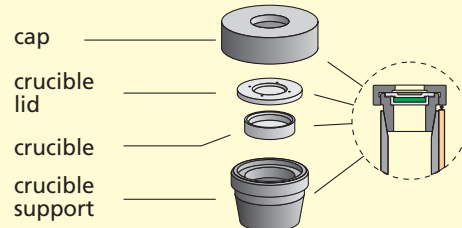
$t_{1/2}$  = time value at 50% of the temperature increase measured at the rear of the test sample in s

## System Schematic

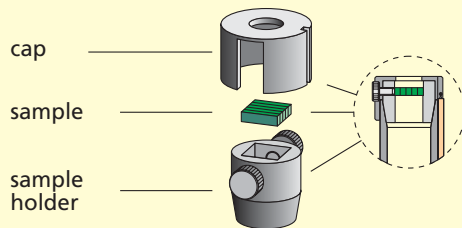
### Solid



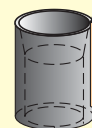
### Liquid Metal



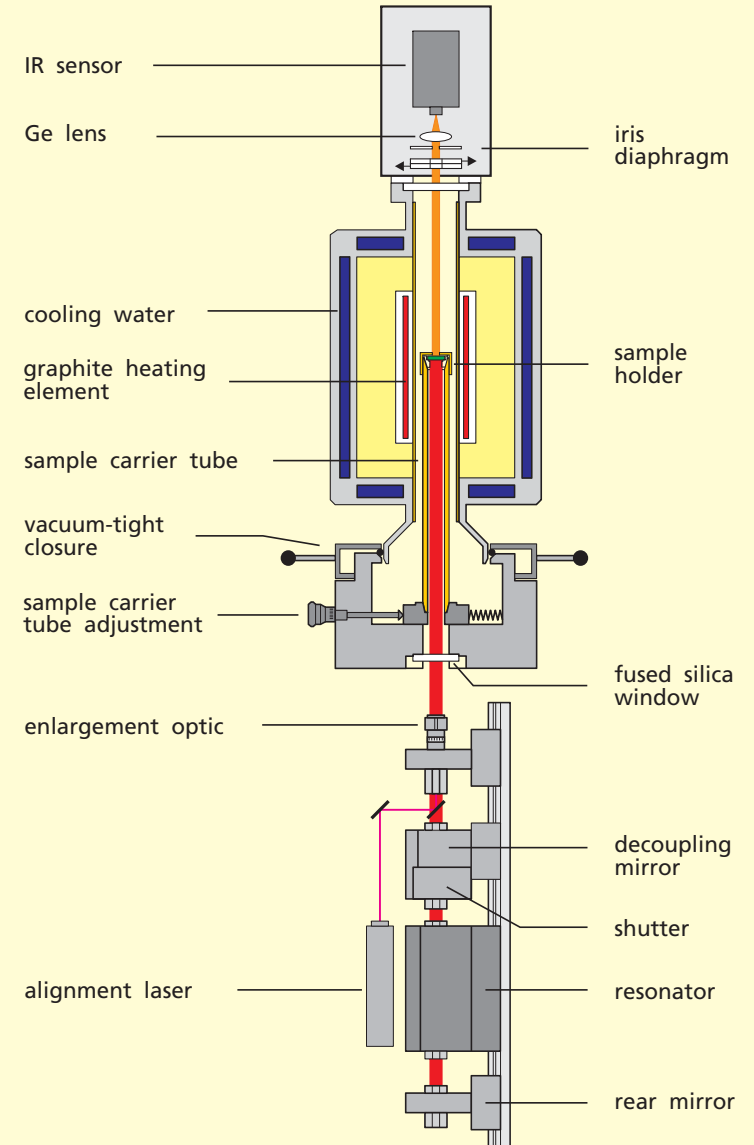
### Laminate



### Carrier Tube



## Sample Holders



## 2000°C Model