

## Subject: Infrared Measurement of Internal Mid Kiln Temperatures

12ft diameter kiln with 4" dia thermowell x 3ft deep  
circumference = 452.389"  
outside surface of the kiln travels at 7.540"/sec  
4" opening goes by in 530msec  
IR spot size at 84" = .280" dia  
instrument response time = 2msec

Mikron MI-GA140, MB13.5L with 482F to 2462F temp range with laser sighting & maximum value storage capability.  
Stainless steel cooling jacket for weather resistance & air purge.  
Ball & socket mount for target adjustment & installation.  
5M-connection cable to j-box and power supply.  
4-20mA output.  
RS232/RS485 digital I/O for configuration and communication.

