

IR Kiln-Blaster

Datasheet

Benefits

- flexible installation
 - blaster (max. purge of the measuring pipe)
 - ball valve
 - adaptor for *Ardometer/Ardocol*
 - many sensor models, spectral and temperature ranges
 - RAYTEK TX** series
 - RAYTEK Marathon** series
- great lifetime, low maintenance
- large program of robust accessories
- fully digital pyrometer (RS485 or HART interface); programable over large distances
- with **Raytek Thermo jacket** cooling and mechanical protection withstands ambient temperatures up to 315 °C



Raytek Marathon Series MR

Highlights

- one- or two-color operation (unique feature)
- wide temperature ranges: 600 .. 3000°C (3 models)
- fast response time down to 10 ms
- bi-directional RS-485 communication (networkable)
- unique „dirty window“ alarm
- reliable measuring even with shorted measurement visibility caused by dust
- DataTemp® Multidrop* software for remote configuration and monitoring



Raytek Thermalert Series TX

Highlights

- wide temperature ranges from -18 .. 2000 °C
- simple, two-wire installation
- DataTemp® Multidrop* software for remote configuration and monitoring



Measurement Specifications

Temperature Ranges	
Model MR1SA	600 .. 1400 °C
Model MR1SB	700 .. 1800 °C
System Accuracy	± (0,5 % T _{meas.} + 2 °C)
Response Time	10 ms (95 %)
Emissivity	0.10 .. 1.00 in 0.01 increments (one-color)
Slope	0.850 .. 1.150 in 0.001 increments (two-color)
Signal Processing	peak hold, valley hold, averaging

Measurement Specifications

Temperature/ Spectral Ranges	
LT/LTP (Low Temp.)	-18 .. 500 °C / 8 .. 14 µm
MT (Medium Temp.)	200 .. 1000 °C / 3.9 µm
HT (High Temp.)	500 .. 2000 °C / 2.2 µm
G5 (Glass)	250 .. 1650 °C / 5.0 µm
System Accuracy	±1 % or ±1.4 °C
System Response Time	
HT	100 ms
All other models	165 ms
Emissivity	adjustable: 0.10 .. 1.00
Signal Processing	
Standard model	emissivity
Smart model	advanced peak/valley hold, averaging