

AM3000 Infrared Thermometer For Molten Aluminum



Features:

Simple to use

High accuracy - (1%) in real site conditions

Capable of measuring targets with variable emissivity

Measures, through smoke, dust, water vapor etc.

Temperature range: 450-900°C/840-1650°F

Rugged design

Full range of accessories

Wide range of built-in functions

Performance:

Temperature range: 450-900°C/840-1650°F

Emissivity range: 0.1 - 1.0

Response time: 0.1 - 10 Sec

Default value: 0.5 sec

Accuracy and Repeatability \pm 1%

Electrical specifications:

Power supply: AC 100 -240V 50/60Hz 0.25 - 0.15 A

Optional outputs: 4-20 mA, 0-20 mA, 0-10 V, RS - 232, RS-422, RS485, Alarms, Profibus, Profinet

Optional:

Display P110 monochrome single channel

Scanning System PS3000.

Pointing laser source: Class II

Mechanical specifications:

Sensor overall dimensions: 273 x 127 x 113.5 mm

Sensor weight: ~3.5 kg

Ambient condition:

Operating temperature range: 0C °+50C°

Storage temperature range: 20C ° +70C°

Humidity: unlimited for the sensor head

Optics:

Spot diameter: 10mm from a distance of 1 meter

Different optics is available.



Figure 1 Molten Aluminum