



Accurate Sensors Technologies



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 : +-1%

Electrical specifications:

- Power supply: 24V (18 - 36V) DC 0.4A
- 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