

## P3000 Low temperature Infrared Thermometer



### Features:

- Simple to use - no calibrations required
- High accuracy - (1%) in real site conditions
- Capable of measuring targets with variable emissivity
- Measures, through smoke, dust, water vapor etc.
- Temperature range: 300-1000°C / 572-1832°F
- Rugged design
- Full range of accessories
- Wide range of built-in functions

### Application:

Aluminum forging, continuous casting, rolling.

### Performance:

- Temperature range : 300 -1000°C / 572-1832°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: 24VDC
- 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: 0°C ° +50°C
- Storage temperature range: -20°C ° +70°C
- Humidity: unlimited for the sensor-head

### Optics:

- Spot diameter: 10mm from a distance of 1 meter
- Different optics is available.



Figure 1 Bar Continuous Casting