



Pyrometers for Steel Rolling Application



AST250 / AST450

Importance of Temperature Measurement

Temperature measurement is a critical factor in TMT Plants. In quenching stage, the surface temperature of the hot re-bars falls drastically from 900°C to around 400°C on account of the intense and uniform cooling; whereas the core temperature remains the same. Then at the cooling bed, temperature equalizing takes place around 600°C. This makes the surface of the re-bar a hardened structure called tempered martensite. The core remains soft and is known as ferriteperlite.

Regular monitoring and controlling of temperature at each stage is important to maintain the quality of Re-Bars.

- Temperature Range : 250°C to 3200°C
- High accuracy : 0.3%
- Laser targeting Light
- Short response time : 2ms up to 10s
- Rugged design for high ambient condition
- Analog Output : 4 ...20mA, 0 ...20mA, 0 ...10V
- RS232 or RS485
- Small Spot sizes
- Special software designed for TMT application.
- Variety of Accessories
- Digital Output :

Accessories



Water Cooling Jacket with Air Purge



Adjustable Mounting Stand



Junction Box with Power supply & Indicator



Software For Parameter Setting and Data Logging

Accurate Sensors Technologies

Misgav Industrial Park, Misgav 20174 Israel
Ph. : +972-4-9990025, Fax : +972-4-9990031
E-mail : technical@accuratesensors.com

**We Measure Accurate Temperature
in Extreme Conditions**