

# FIBRE OPTIC PYROMETER FOR INDUCTION HARDENING APPLICATION



Induction hardening is a heat treatment process employed for the surface hardening of metal using electromagnetic induction to produce heat. Accurate temperature measurement is required for maintaining the quality of the metal.

Fibre Optic Pyrometers with fast response time and small spot sizes are recommended for accurate temperature measurement between the windings of the induction coil.

## Key Features

- Fiber optic & optical head withstand ambient temp. upto 250°C
- Wide temperature range from 250°C - 2500°C
- Laser targeting light for targeting
- USB Output
- Analog output 0...20mA, 4...20mA, 0-10 V
- Digital interface RS 232/RS 485



## AST A250/A450 FOPL

AST 250/450 FOPL Fibre optic pyrometers perfectly suits application as the optics and the Fibre cable doesn't contain electronics so they can be easily mounted close to the process. There is no interference of strong electromagnetic field. The Fibre optic pyrometers are equipped with laser pilot light for sighting. The software Infrasoftware enable remote parameter setting.

Accessories for mounting helps in easy installation. Air purge unit prevent the contamination of lens to ensure long term operation.