



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
MATERIALS MANAGEMENT DIVISION
Powai, Mumbai 400076.

PR No. 1000031803 (Rfx No. 6100001353)

Detailed Technical Specifications for In-Situ 4000 Accutemp Process Monitor:

In-Situ 4000 Accutemp Process Monitor as an add-on component of the existing MBE for III-Nitride Growth

1. AccuTemp Dual Wavelength Pyrometer/Reflectometer
2. Simultaneous Temperature and Layer Reflection Measurement Dual Wavelength Emissivity Corrected Pyrometer (850nm and 950nm)
3. Dual Wavelength Reflectometer (470nm and 950nm) optimized for Nitrides
4. Temperature Range: 500OC - 1100OC (others on request)
5. Adjustable Wobble Filter to Remove Substrate Rotation Effects CCD Camera for Sample Alignment
6. Including Optical Head, Cables, and Windows10 Operating Software
7. RS232 Interface, 100-240 VAC, 50/60 Hz, 250W, single phase
8. Normal Incidence Flange Mount CF6
9. Warranty: 1 year from date of Installation