



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY

MATERIALS MANAGEMENT DIVISION

Powai, Mumbai - 400076

PR No. 1000030870

Rfx No. 6100001350

Technical Specifications of MiniLDV Probe

- 1). **1D miniLDV probe, G5B**
 - I. Consisting of probe body, 32 mm diameter x 160 mm length
 - II. Laser diode, nominally 660 nm, 130 mW
 - III. Option 1: working distance in air: 100 mm.
 - IV. Option 2: working distance in air: 300 mm.
 - V. Signal cable: 2 m cable

- 2). **miniLDV processing engines and sensor drive**
 - I. Containing one photodetector: dc to 10 MHz
 - II. High-speed, high-resolution digitizers
 - III. For option 1, 100 mm: speed range 0 to 60 m/s
 - IV. For option 2, 300 mm: speed range 0 to 120 m/s
 - V. Power supply: 12 V DC

- 3). **miniLDV processing software**
 - I. 1D data acquisition and processing software
 - II. All-inclusive software for system setup, laser power, data acquisition and data processing and Recording.

- 4). **Warranty: 2 years**