

S. No.

Description/ Specifications/ Cat/ Part No. of
Scientific/ Technical/ Administrative Stores

Quantity required

(In case of
machines
equipment
physical
possession
not
recorded)

1.

**PORTABLE / HAND HELD ULTRASONIC THICKNESS
GAUGE WITH FOLLOWING FEATURES:**

Range: Coating 3 to 25 mm, Normal 0.65 to 200 mm

Resolution: 0.1 mm

Accuracy: ± 0.05

Velocity adjustment: 1000 m/s to 9999 m/s

Gain Settings: Automatic/manual

Interchangeable Transducers

Transducer Recognition & Calibration: Automatic

Suitable for steel, aluminum, glass, plastics etc.

Measuring system: Metric/mils (switchable)

Automatic zero adjustment and high speed scan.

Display: Thickness & velocity value, transducer type, battery

Data Storage/output: min. 500 readings

Operating Temperature: -20 to 50°C

Power: approx. 64 hours in continuous operation

Make: Olympus, BH, Electrophysike or *Equi. Except China*

- **Accessories:** Probe with Cable, Data Transfer software with USB connecting cable, Control test block, Plastic carrying case, Protective rubber cover, Operation & maintenance manuals

Warranty: One Year Warranty and free after sales support / services for at least 2 years.

1 No

S. No.	Description/ Specifications/ Cat/ Part No. of Scientific/ Technical/ Administrative Stores	Quantity required	machinery & equipment t physical position may be recorded
1.	AUTOMATED ULTRASONIC IMMERSION TESTING SYSTEM: I. UT Flaw Detector: Latest model with following specs: - At least 2 channel, PRF: 4 to 20 KHz or above - Compatible Probe frequency: 0.2 to 25 MHz or above - Probe connectors: Lemo 1, Lemo 0, BNC - Gain Settings: 0-106 dB, in 0.5 dB step - Rectifier: Full-Wave, Positive Half-Wave, Negative Half-Wave & RF Mode - Evaluation Gates: At least Four gates (Interface, A, B, C) II. Immersion Tank: Having SS frame, Perspex walls and water changing provision. Mounted with robotic arm for upto 1800mm travel along X-axis, 900mm along Y-axis & upto 700 mm along Z-axis with all necessary motors, drives & electrical components for scanning. Capable of minimum step of 0.1mm. III. Control PC: With KB/mouse, monitor and installed with A-Scan & C-scan software for computerized motion control of robotic arm (the ultrasonic immersion probe will be attached with) in X, Y & Z-directions. IV. 25MHz probe: Point focused with 2 inch focal length Make: Krautkramer, GE, BH, Olympus or Equ. Except China - Operation & maintenance manuals including electrical diagrams should be provided. - List of essential spares with price, may also be provided. - Supplier will be responsible for complete installation, commissioning and personnel training on automated immersion testing system - Separate prices should be quoted against each listed item (I to IV) Warranty: One Year Warranty and free after sales support / services for at least 5 years.	1 No	NIL