

Department of Mechanical Engineering, NIT Calicut

COMPUTER CONTROLLED HYDRAULIC SERVO1000KN UNIVERSAL TESTING MACHINE

Photo of Instrument:



Instrument Name	Computer Controlled Hydraulic Servo 1000 kN Universal Testing Machine
Instrument Model & Serial No.	Jinan WAW1000E
Instrument Make	Jinan Testing Equipments IE Corporation, China
Category of Instrument	Testing
Description of Instrument	Computer-controlled 1000kN hydraulic servo universal testing machine for versatile material testing (tension, compression, bending, etc.).
Instrument Technical Description and Major Specifications (This Specifications Limited to Major 5)	<p>Max. load: 1000kN</p> <p>Load range: 0-100kN, 0-200kN, 0-500kN & 0-1000kN</p> <p>Control Mode & precision: Load rate, stress rate, displacement rate, strain rate control, load hold mode (short duration) & 1%</p> <p>Displacement resolution: 0.01mm</p> <p>Piston speed: 0.5 – 80 mm/min</p>
Application of Instrument (Limited to Major 4 or 5)	Mechanical properties testing (Tensile, compression, bending)
Type of Sample Required for Analysis / Testing (Quantity, Pre-	As per ASTM standard

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Preparation, State etc.) Guidelines for Sample Submission – User Instructions	
Types of Analysis / Testing	Testing
Faculty In-Charge Name / Email / Contact	Dr. K. Sekar 9746562695 sekar@nitc.ac.in
Technical Staff Name / Email / Contact	Mr. Sanal P R sanal@nitc.ac.in 9497186556
Location of Instrument	Materials Science Lab Production Engineering Block
Other Details	

User Charges:

S.NO.	Type of Analysis / Testing	Internal - within Department of NITC	Internal - Other Departments NITC	External Academic Educational Institutes	National R&D Labs	Industry
1	Testing	500/sample	500/sample	2400/sample	2400/sample	2400/sample

Slot Booking and Payment Work Flow: