

Tablet Hardness Tester (Automatic Motorised Operation)

Model: μ THCal2AP | Make: ANALAB | HSN Code: 90248091



Tablet hardness tester adopts high-performance, embedded ARM'Cortex-M3' core processor, combined with the highest-performance mechanical A/D module chip to ensure high-speed acquisition and lossless processing of measurement data. Provide professional users with reliable and accurate measurement results.

Technical Specification:

- Hardness measurement range: 10N-350N
- Resolution: 0.01N
- Accuracy: $\pm 1\% \text{rdg} \pm 5 \text{dgt}$
- Real-time display of the measurement characteristic curve of load changes over time
- Allowable measurement diameter: 2mm~40mm
- Tablet pressing speed selection: 0.5mm/s, 0.8mm/s, 1mm/s, 1.5mm/s
- Accuracy: $\pm 1\%$ of setting accuracy
- Measurement method
 - Single chip accumulation
 - Continuously decreasing (the maximum number of pieces measured is 200 pieces)
 - Preset groups (maximum 10 groups, 1-20 pieces per group)

- Unit of measurement: Newton-N, Kilogram-force-Kgf (Touch the screen to achieve unit conversion)
- Display: 5-inch color touch screen.
- Verification: Standard weights can be used to verify the accuracy of the machine. If there is a deviation in accuracy, the user can enter the calibration interface of the instrument; follow the on-screen prompts to easily eliminate the instrument error.
- Output: RS232 serial printing interface
- The cumulative tableting mode provides touch keys for pausing and continuing work, making it convenient to observe and analyze the rupture process curve of the sample at any time.
- The entire measurement characteristic curve is displayed in real time, and the coordinates display the complete testing process, providing an intuitive basis for analyzing and evaluating the hardness of the sample.
- Real-time display: current date and time, pressure, number of slices, speed, average, maximum value, minimum value, variance, and standard deviation.
- Provide interface for editing Sample Name, Number & Operator Name
- Automatically calculate the film ejection stroke, compress the test duty cycle, and improve work efficiency.
- Based on user needs, hierarchical management permissions will be added for a fee.
- According to user needs, USB access function can be added for a fee.
- Dimensions: 330 x 290 x 530mm (L x W x H).
- Weight: 14.3Kg.

Product Range

• pH/mV/°C/ORP Analyzer • Conductivity/TDS/Resistivity/Salinity/°C Analyzer
• Multiparameter Analyzer (pH/ORP/Conductivity/TDS/Resistivity/Salinity/°C)
• Karl Fischer Titrator • Auto Titrator • Automatic Melting Point Apparatus
• Flame Photometer • Friability Test Apparatus • Tablet Dis-integration Test Apparatus
• Tap Density Test Apparatus • Tablet Hardness Tester • Leak Test Apparatus
• Tablet Dissolution Test Apparatus • Electromagnetic Sieve Shaker • Ultrasonic Bath (Sonicator)
• Analytical Electronics Balance • Halogen Based Moisture Analyzer
• Visible & UV-Vis. Spectrophotometer • Nitrogen Gas Generator • Zero Air Gas Generator
• Combination Nitrogen / Zero Air Gas Generator • Air Drying Unit for TOC Analyzer
• Dew Point Apparatus • Gas Handling & Purification System • Laboratory Furniture & Fume Hood • Exhaust Hood for AAS/ICP

ANALAB SCIENTIFIC INSTRUMENTS PVT. LTD.

AN ISO 9001 : 2015 CERTIFIED CO.
CIN: U33110GJ2005PTC046555



Plot No. 361, Sayajimarket,
N. H. No. 8 By-Pass,
At & Post : Sayajipura,
Vadodara - 390019, Gujarat, India.



+91 265 2514404, 9714503393



info@analab.co.in



www.analab.co.in, www.analabscientific.com

