

# LOGAN HDT-300/F



## Automated Hardness, Thickness and Diameter Tester

The Logan HDT-300F Hardness Tester tests tablets, sweets or capsule shaped samples. A microprocessor controlled measurement system provides accuracy and versatility. All the test results are shown on the digital LCD display and can be printed out for a permanent record of the test results.

The hardness can be tested within a 5-200N range. Diameter and thickness can be tested with in a 2.0-35.0 mm range. The hardness measurement can be calculated in N, Kp or Sc. The diameter and thickness measurement can be calculated in mm's or inches.

With its advanced features the HDT-300F is 4 times faster than the previous model and easy to operate. The user lifts the top cover and loads the sample onto the sample carrier. The test may then proceed in automatic (for up to 99 samples) or manual mode. A removable waste tray under the measurement compartment and a small hand held brush is provided to neatly retrieve sample fragments. The instrument calibration is simple to perform on any flat surface with standard tools.

The operation and design of the Logan HDT-300F Hardness Tester are in full compliance to the monograph for the USP and EP, CP and JP. The load cell provides results that are 10 times more accurate than required. The instrument is made from high quality metal, which fully meets all GLP requirements

### Features:

- **New Model is 4 times faster than previous model**
- **Thickness, Hardness and Diameter measurements from one test**
- **Printout of calibration data via external printer**
- **Manual or Automatic testing modes**
- **Electronic load cell design**
- **Automatic statistical calculations for: mean value, absolute and relative standard deviation, minimum and maximum results**
- **Interfaces to an external balance via optional PC and software package**

**Specification:**

Hardness Range	5 - 200 N
Hardness Accuracy	± 1%
Diameter / Thickness Range	2.0 -35.0 mm
Diameter Accuracy	± 0.03 mm
Measurement Units	Newtons (N)/Kiloponds (Kp)/Stro-cobbs (Sc)
Diameter	Millimeters (mm)/Inches
Time per test	45 sec.
Test Method	Manual / Automatic
Test Data	Diameter / Thickness / Hardness
Test Statistics	High, Low, Mean Values, RSD
Display	LCD
Printer Output	Parallel Port
Voltage	110V/ 50-60Hz or 220V/50-60Hz

**Accessories:**

Part No.	Description
230-0001	10Kg Certificated Weight for Calibration
230-0002	10mm Certificated Bar for Thickness Calibration
012-5103	Printer Paper
012-5102	Printer Ribbon
012-5104	Printer Cable
230-0003	Brush
230-0004	Tablet Tray

