

Premium Micro-Vickers Hardness Tester EW-105 Series

Motorised turret with digital measurement microscope, menu operated user interface.

Features

- Fully automatic 4 position turret for Micro Vickers /Knoop measurements
 - Choice of turret configuration
 - 3 objectives and 1 indenter
 - 2 objectives and 2 indenter (Vickers & Knoop)
 - Dual indenter (Vickers/Knoop) turret optional
- High resolution digital eyepiece 15x
- Built in high speed printer



EW-105/D1 1kg digital, 2 objectives

TECHNICAL SPECIFICATION

Test force selection	Manual
Test procedure	Automatic, loading/dwell/unloading
Hardness value	5 digits
Turret	4 positions over 360°, fully automatic, memorised start position, option for 2
Test force accuracy	< +/-1% for force from 100gr to 2kg, < +/-1.5% for force below 100gr
User display	Length of diagonals, hardness value, converted value, test force, online statistics
Display resolution	0.1 HV, HK
Standardisation	EN, ISO 6507, ASTM E-384, EN ISO 4545
Statistics	Total test, max, min, average, range, standard deviation, all in real time after each test
Control panel	Start test, stop test, light intensity, dwell time, print, clear
Firmware	English
Memory	Memory for 20 test results, with CCD-VIEW software unlimited results
Data output	RS-232 Bi-Directional
Dwell time setting	Default 5 seconds, user defined 1 to 60 seconds (5 sec. increments)
Printer	Built in, silent high speed thermal printer
Eyepiece microscope	Bright dual line filar eyepiece with 15x magnification, 0.1µm reading
Light source	Halogen 12V, 30W, green filter, dimmable
Optical path	2 way, eyepiece / camera
Vertical capacity	90mm (maximum specimen height)
Horizontal capacity	120mm (from centre line)
Stage dimensions	100x100mm, travel 25x25mm, and reading 0.01mm
Operating temperature	5°C to 40°C (+/-20° for force 25gr and 50gr)
Humidity	10% to 90% non condensing
Dimensions	420 x 250 x 490mm
Weight	37.5Kg
Power	240V/110V, 50/60Hz, single phase

Standard Delivery

- Main unit
- Manual X-Y stage
- Objectives according to model (10x & 40x or 10x, 20x & 40x)
- Digital eyepiece 15x
- Built-in thermal printer
- RS-232 data output
- 4 adjustable feet
- Set of work piece fixtures - vice, chuck & clamp
- Spare halogen bulb
- Fuse
- Installation & user's manual
- ESEWAY certificate

Optional Accessories

- Choice of objective configuration
- ESE-View Video measuring systems
- Dual indenter turret, Vickers & Knoop
- Metal support table with storage cabinet
- Indenter & test blocks
- Certified indenter & test blocks