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## MODEL HD-3030

# DIGITAL OLSEN HARDNESS TESTER

### Outline

This equipment is a standard hardness tester widely used for inspection of cosmetics like foundation. It has a pushing needle with a certain shape of tip applying certain load on a sample under test to measure hardness by the depression depth measured with the digital gauge.

The load can be changed from 453.5g (1 lb) to 1360.5g (3 lbs) in steps of 1 lb. The handle moving the pushing needle eliminates human errors caused by the operator.



MODEL HD-3030



株式会社 上島製作所

UESHIMA SEISAKUSHO CO., LTD

## Feature

- The digital display eliminates variation of reading by operators.
- Load on the pushing needle can be changed in steps of 1 lb by replacing the weight.  
(0.5 lb weights are available optionally for changing load in 0.5 lb steps.)
- It comes with a wooden box convenient for storage and transportation.

## Specification

Model	HD-3030
Measurement Method	Constant load penetrating hardness meter
Measurement Range and Resolution	Olsen hardness: 0 to ca. 200 with resolution of 0.5
Weight of Pressure Surface	2,268±21g
Diameter of Pressure Surface	15.9mm
Load	453.5 to 1,361±7g
Digital Gauge	Stroke: 12.5mm, 4-digit display
Test Piece Size	As a general rule, a circular disc of 12mm or more thick and 50mm in diameter, with a flat and smooth surface and uniform thickness
Accessories	Wooden box
Dimensions	Approx. 130(W) × 230(D) × 370(H)mm
Weight	Approx. 8.8kg (including weight for 1 lb loading)

UESHIMA SEISAKUSHO CO., LTD.

<Manufacturer>

**Ueshima**

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※Please be noted that the contents in this brochure may change without prior notice due to improvement of the equipment. 027-468696-1