



## HR-530L mm/inch main unit ISO-JIS-ASTM

Item number: 810-333-33

### Images



### Specification

#### Applicable standards:

**Applicable standards Rockwell :** ISO 6508-2, ASTM E18, JIS B7726

**Applicable standards Plastic materials :** ISO 2039-2, ASTM D785 A, ASTM D785 B, JIS K7202-2

**Applicable standards Brinell :** ISO 6506-2, ASTM E10, JIS B7724

#### Applicable test methods:

**Applicable Rockwell scales :** HRA; HRD; HRC; HRFW; HRBW; HRGW; HRHW; HREW; HRKW; HRLW; HRMW; HRPW; HRRW; HRSW; HRVW; HR15N; HR30N; HR45N; HR15TW, HR30TW; HR45TW; HR15WW, HR30WW; HR45WW; HR15XW, HR30XW; HR45XW; HR15YW, HR30YW; HR45YW

**Applicable Plastic test scales Rockwell :** HRR; HRL; HRM; HRE; HRK

**Applicable Brinell scales :** HBW2.5/62.5; HBW5/62.5; HBW 10/100; HBW 5/125; HBW 1/2,5; HBW 2.5/187.5  
Brinell indentations only - accessories required

**Applicable Brinell depth measurement scales :** HBDW2,5/62,5; HBDW2,/187,5

#### Machine Control:

**Control method :** 5,7" touch screen display control

**Test Control :** Start of test after indenter contact

**Software functions Touch screen :** 4 display formats (standard screen, list screen with average hardness, simplified screen, multi position test if stage connected), Turret control, test force control, calculation of Vickers, Knoop and Brinell hardness, KC fracture toughness, , GO/NG judgment, test set-up, test condition guide, curve and user correction, hardness conversion, statistics calculation

**Language support :** Japanese, English, German, French, Italian, Spanish, Korean, Simplified Chinese, Traditional Chinese, Turkish, Portuguese, Polish, Czech, Hungarian, Dutch, Russian

**Resolution :** 0,1 HR (settable)

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#### Data output:

**MeasurLink capability :** yes

**Data output :** RS-232C, SPC Digimatic D-type connection, USB

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#### Test force:

**Preliminary test force :** 29,42N/3kg and 98,07N/10kg

**Preliminary test force switching :** Software

**Test Force Range :** 29,42- 1839N (3-187,5kg)

**Test force generation :** Load cell

**Test force switching :** Software

**Duration time :** 1-120 1 s. increments

**Test cycle :** Automatic start after indenter contact

**Test cycle control :** Spindle magnet brake for contact limit

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#### XYZ axis:

**XY stage :** stage for Jominy test 810-700 (optional)

**Z-axis :** manual elevation unit

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#### Functional dimensions:

**Stage/Anvil adaption :** Ø19 mm

**Max. specimen height :** 395 mm

**Throat depth :** 150 mm

**Maximum specimen weight :** 20 kg

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#### Main unit data:

**External dimensions WxDxH :** 250x667x766 mm

|                                   |                                              |
|-----------------------------------|----------------------------------------------|
| <b>Mass main unit :</b>           | 70 kg                                        |
| <b>Power supply :</b>             | AC adapter 100 -240V, 50/60Hz Auto-selection |
| <b>Power consumption W :</b>      | 30                                           |
| <b>Operation temperature °C :</b> | 5-40                                         |
| <b>Relative humidity RH :</b>     | 65% or lower without condensation            |
| <b>Vibration Frequency :</b>      | 5Hz or lower                                 |

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**Standard accessories:**

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|                                 |                                |
|---------------------------------|--------------------------------|
| <b>Diamond indenter :</b>       | not included                   |
| <b>Reference material :</b>     | not included                   |
| <b>Flat anvil :</b>             | 810-039 outside diameter Ø64mm |
| <b>V-anvil :</b>                | 810-040 groove width 30mm      |
| <b>Water level :</b>            | 11AAB941                       |
| <b>Inspection certificate :</b> | included                       |
| <b>Power cord :</b>             | not included                   |

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