

Measurement

Measurement





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Features

- Compact size, simple operation;
- Most suitable for heavy, big or outdoor metal parts.
- main technical standards, ASTM A956, DIN 50156.

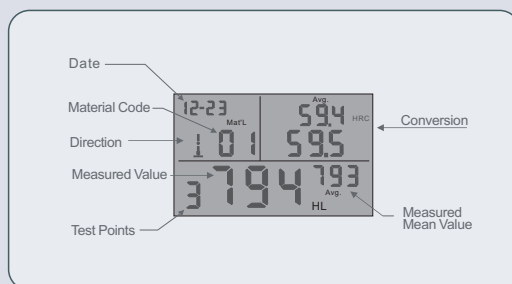
Specifications

Accuracy	± 6 HL(at 800HLD)
Scales	HRC, HRB, HB, HV, HSD, Mpa
Display	320*240 LCD with backlight
Key Pad	Touch screen
Impact Direction	All directions
Impact Device	D, DC
Printing	Wireless Mini-printer
Power	1.5V*3 (AAA batteries)
Dimensions	150*80*24mm(display unit)
Weight	Approx.200g



EON111-0000

Optional	Impact Device	Standard Block
	EHL-DC	EBK-HLD-M
		650±20HLD
	EON110a0000	EON119d0002
	Surport Ring Kit	Standard Block
	EAK-HL-SR1	EBK-HLD-L
		520±20HLD
	EON119k1000	EON119d0003



Material Code			
Hardness		Strength(MPa)	
01	Steel and Cast steel	11	Low carbon steel
02	Alloy tool steel	12	High carbon steel
03	Stainless steel	13	Chrome steel
04	Grey cast iron	14	Cr-V steel
05	Ductile iron	15	Cr-Ni steel
06	Cast aluminum alloys	16	Cr-Mo steel
07	Brass	17	Cr-Mi-Mo steel
08	Bronze	18	Cr-Mn-Si steel
09	Copper	19	High strength steel
10	Forging steel	20	Stainless steel





Features

- A small, light and portable tester.
- Touch pad
- Large, high-contrast dot matrix LCD with backlight
- Custom conversions for uncommon materials
- USB data interface and free PC software
- Wireless test report printing
- Conforms to the Standard ASTM A956, DIN 50156.

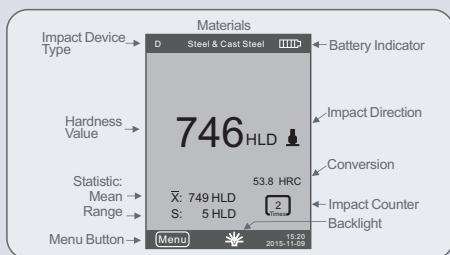
Specifications

Accuracy	± 6 HLD
Scales	HRC, HRB, HB, HV, HSD, Mpa
Display	320*240 LCD with backlight
Key Pad	Touch screen
Impact Direction	All directions
Impact Device	D, G, DC, C, D+15, DL
Data Storage	500 measured value
Data Port	USB
Printing	Wireless Mini-printer
Power	Li-Ion Battery, Rechargeable(1800mAh)
Dimensions	130*87*28mm(display unit)
Weight	Approx.240g

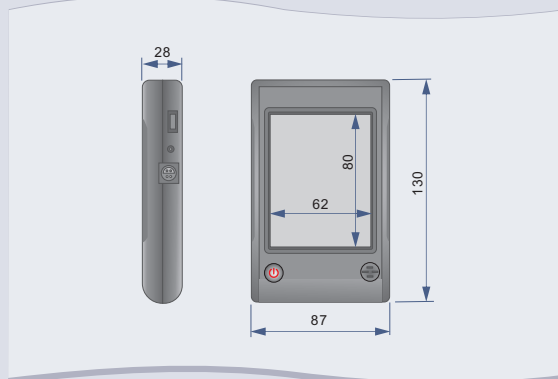


EON112-0000

Optional	Standard Block	Standard Block				
	EBK-HLD-M	EBK-HLD-L				
	650±20HLD	520±20HLD				
	EON119d0002	EON119d0003				
	Surport Ring Kit	Impact Device	Impact Device	Impact Device	Impact Device	Compact Device
	EAK-HL-SR1	EHL-DC	EHL-C	EHL-DL	EHL-D+15	EHL-G
	EON119k1000	EON110a0000	EON110C0000	EON110L0000	EON110b0000	EON110G0000



Dimension





Features

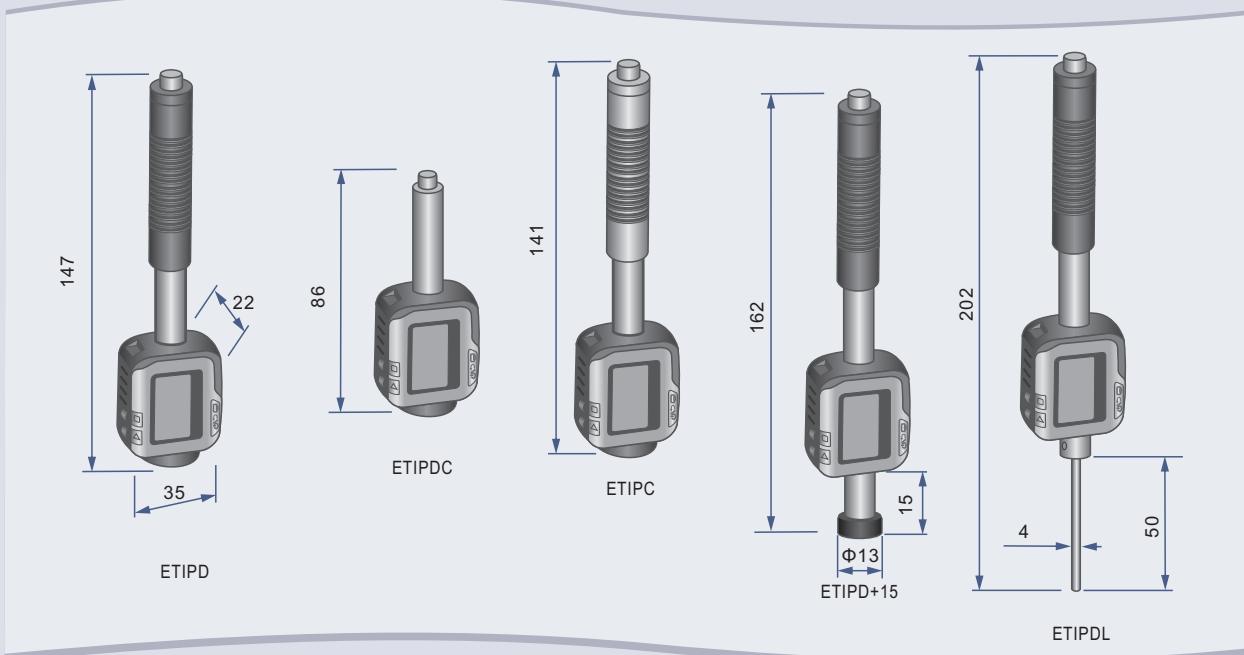
- Impact Device Integrated
- Automatic Direction Identify
- Highly Accurate ($\pm 4\text{HL}$)
- Integrated Display
- for Common Hardness Scales.
- Full USB Communication with PC
- Intelligent Sleep Mode.
- Wireless Printing.



Applications	Models	ETIPD EON113d0000	ETIPDC EON113a0000	ETIPC EON113c0000	ETIPDL EON113L0000	ETIPD+15 EON113b0000
	Applications	The majority of your hardness testing assignments.	Very confined spaces, e.g. holes, cylinders or for internal measurements.	Surface hardened components, coatings, thin walled or impact sensitive components.	For extremely confined spaces or at the base of grooves.	Measurements in grooves and on recessed surfaces.
	HLD	170 ~ 900				
	HLDC		170 ~ 900			
	HLC			350 ~ 960		
	HLDL				560 ~ 950	
	HLD+15					480 ~ 850
	HRC	20 ~ 68		20 ~ 70	20.6 ~ 68.2	19.3 ~ 67.9
	HRB	13 ~ 101		38.4 ~ 99.5	37.0 ~ 99.9	
	HB	19 ~ 655		80 ~ 683	81 ~ 646	80 ~ 638
	HV	80 ~ 955		80 ~ 956	80 ~ 950	180 ~ 818
	HSD	32 ~ 100		32 ~ 102	30.6 ~ 96.8	33.3 ~ 99.3

Specifications	Models	ETIPD	ETIPDC	ETIPC	ETIPDL	ETIPD+15
	Accuracy	$\pm 4\text{HL}$				
	Testing Direction	All directions (Automatic Identification)				
	Communication	USB				
	Power	Li-Ion Battery, Rechargeable				
	Operating Environment	$-10 \sim +60^{\circ}\text{C}$; 20%~85%RH				
	Dimensions(mm)	147*35*22	86*35*22	141*35*22	202*35*22	162*35*22
	Weight(gr)	100	75	100	125	125
	Standards & Guidelines	DIN 51016, DGZfP Guideline MC 1, VDI / VDE Guideline 2616, ISO 18625, ASTM A956, GB/T 17394, JB/T 9378, JIG 747, CNAL T0299, JIS B7731				

Dimension



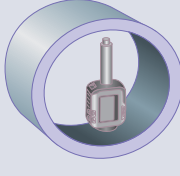
Optional	Standard Block							
	EBK-HLD-M	EBK-HLD-L	EBK-HLDL-M	EBK-HLDL-L	EBK-HLD+15-M	EBK-HLD+15-L	EBK-HLC-M	EBK-HLC-L
	650±20HLD	550±20HLD	816±12HLDL	729±15HLDL	660±15 HLD+15	535±20 HLD+15	713±20 HLC	580±20 HLC
								
	EON119d0002	EON119d0003	EON119L0002	EON119L0003	EON119b0002	EON119b0003	EON119c0002	EON119c0003

Surport Ring Kit

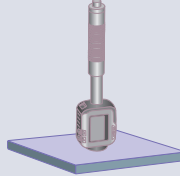
EAK-HL-SR1



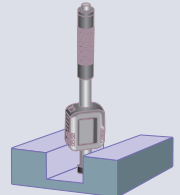
EON119k1000



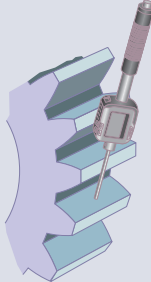
DC



C



D+15



DL

Package





Features

- Impact Device Integrated
- Automatic Direction Identification
- Highly Accurate ($\pm 6\text{HL}$)
- Integrated Display for Common Hardness Scales.
- Full USB Communication with PC
- Intelligent Sleep Mode.
- Wireless Printing.

Applications

ETIPG is recommended for the exclusive measurement of solid and heavy components in the Brinell range.

Unit G places low demands on measuring location surface finish.

Typical applications: forgings or solid castings.



EON113g0000

Specifications

Accuracy	$\pm 4\text{HLG}$
Testing Direction	All directions (Automatic Identification)
Communication	USB
Power	Li-Ion Battery, Rechargeable
Operating Environment	$-10 \sim +60^\circ\text{C}$; 20%~85%RH
Dimensions(mm)	252*51*30
Weight (gr)	240
Standards & Guidelines	DIN 50156, DGZFP Guideline MC 1, VDI / VDE Guideline 2616, ISO 18625, ASTM A956, GB/T 17394, JB/T 9378, JJG 747, CNAL T0299, JIS B7731

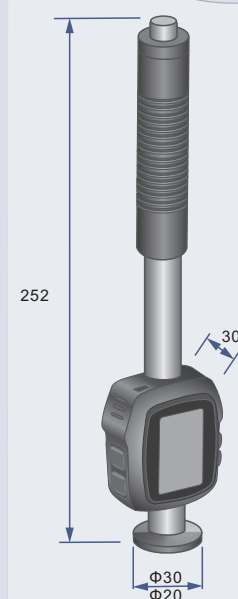
Measurement Range

Materials	HLG	HB	HRB
Steel	300 ~ 750	90 ~ 646	47.7 ~ 99.9
Grey Cast Iron	340 ~ 600	92 ~ 326	-
Ductile Iron	340 ~ 600	127 ~ 364	



EON119g0002

Dimension



Package





EHS series Digital Durometer is Suitable for measuring the hardness of rubber, plastic and other non-metallic materials.



EHS1A	EON121a0000
EHS5D	EON121b0000
EHS5C	EON121c0000
EHS1B	EON121d0000
EHSoo	EON121f0000
EHSo	EON121g0000
EHSdo	EON121h0000
EHSE	EON121j0000

Features

- Calibration Certificate Included
- Conforms to ASTM D 2240, GB/T 531.1, ISO7619-1
- A large, easy-to-read LCD display with backlight
- Measurement mode: Averaging mode, Max Mode, Max-Average mode.
- Measurement data can be stored, browsing and batch printing.
- Printing: Wireless mini-printer.
- Upload to PC.

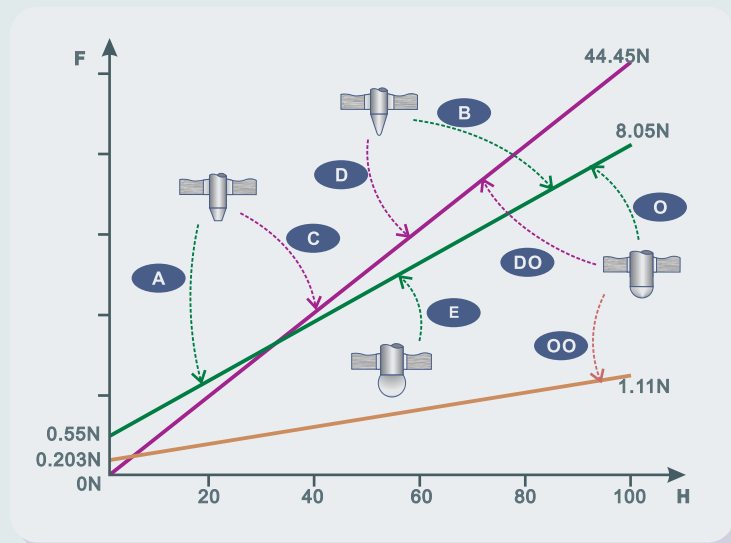
Models

Models	Types	Indenter	Applications
EHS1A	A		Soft vulcanized rubber, natural rubber, nitriles, thermoplastic elastomers, flexible polyacrylics and thermosets, wax, felt, and leathers
EHS5C	C		Medium-hard rubber, thermoplastic elastomers, medium-hard plastics, and thermoplastics
EHS5D	D		Hard rubber, thermoplastic elastomers, harder plastics, and rigid thermoplastics
EHS1B	B		Moderately hard rubber, thermoplastic elastomers, paper products, and fibrous materials
EHSE	E (Asker C)		Soft rubber, sponges, and foam elastomer material, and film coil and winding (textile yarn spindle)
EHSoo	OO		Soft rubber, thermoplastic elastomers, very soft plastics and thermoplastics, medium-density textile windings
EHSo	O		Extremely soft rubber, thermoplastic elastomers, sponge, extremely soft plastics and thermoplastics, foams, low-density textile windings, human and animal tissue
EHSdo	DO		Moderately hard rubber, thermoplastic elastomers, and very dense textile windings

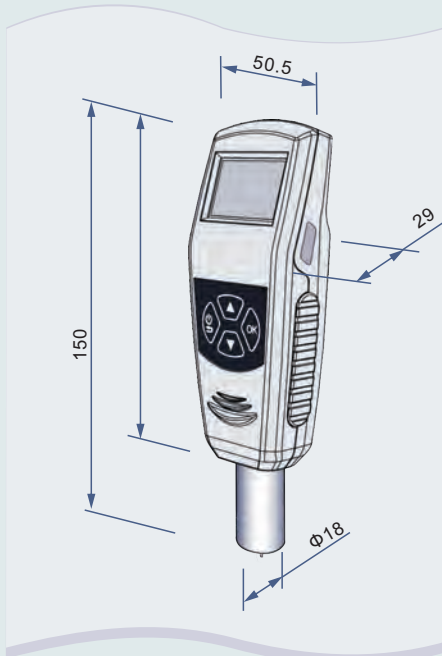
Specifications

Accuracy	$\leq \pm 1 \text{ H}$	Resolution	0.1H
Display	128*64 dot matrix LCD with Backlight	Memory	500 readings
Measuring Mode	AVE, MAX, Timing	Communication	USB to PC
Power	Ni-MH Chargeable Battery	Operating Environment	-10 to 40°C, 20 to 80%RH
Dimensions	150X50.5X29mm	Weight	170g

Test Force

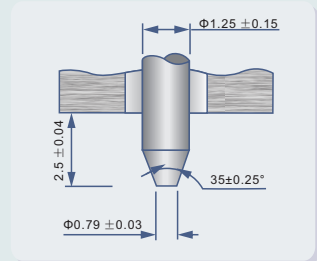


Dimension

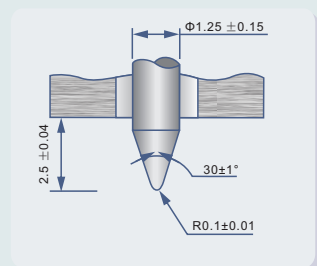


Indenter

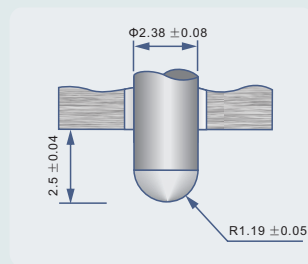
Type A, Type C



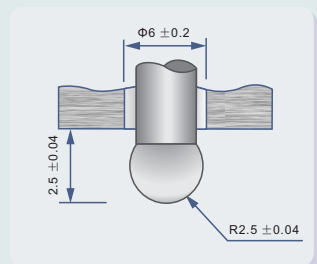
Type D, Type B



Type OO, Type O, Type DO



Type E



Optional

MiniPrinter EPX58P-F	Test Stand EST-HS2
EON311f0000	EON120b0000
HSA Test Block	HSD Test Block
EBK-HSA-K	EBK-HSD-K
EON129a0000	EON129b0000

Package





Features

- Replace common dial Rockwell indicator, digitizing with the most economical and convenient way.
- Color LCD display
- Support all Rockwell hardness test scales, include superficial Rockwell and plastics Rockwell.
- Multiple standard hardness conversions
- Integrated power supply system. Fully compatible with battery and external power supplies.
- Various fixing method, suitable for manual or motorized tester..
- Variety of data management and processing functions.
- USB port and wireless interface for data upload to PC.
- Wireless printing.

Specifications

Scale	Rockwell			Superficial Rockwell			Plastics Rockwell
	HRA	HRF	HRM	HR15N	HR45T	HR30X	
	HRB	HRG	HRP	HR30N	HR15W	HR45X	HRE
	HRC	HRH	HRR	HR45N	HR30W	HR15Y	HRL
	HRD	HRK	HRS	HR15T	HR45W	HR30Y	HRM
	HRE	HRL	HRV	HR30T	HR15X	HR45Y	HRR
Resolution	0.1HR(0.001mm)						
Displayer	320*240 TFT LCD						
Memory	500 readings						
Conversion	GB/T 1172, GB/T 3771, ISO 18265, ASTM E140						
Statistics	Mean, Range						
Communication	USB, wireless serial port (Receiver optional)						
Printing	Wireless(Printer optional)						
Power	Li-ion rechargeable battery 3.7V 800mAh. Recharging: USB recharger AC100~240V ; DC5V, 1A External power supply: DC 5V,0.5A						
Dimension	~ Φ114x 37 mm						
Weight	~ 420gr						
Standards	GB/T 230, ASTM E18, ISO 6508,GB/T 3398.2, ISO 2039.2, ASTM D785						

Optional

Mini Printer	Wireless Transceiver
EPX58P	EWT-USB1
	
EON311f0000	EON71100000

Package



Indicator



USB Data Cable



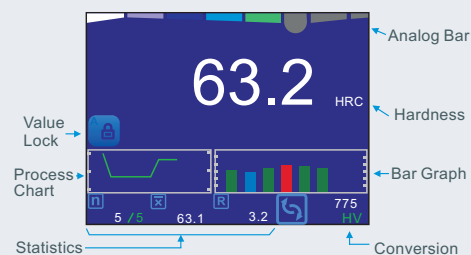
Power Adapter



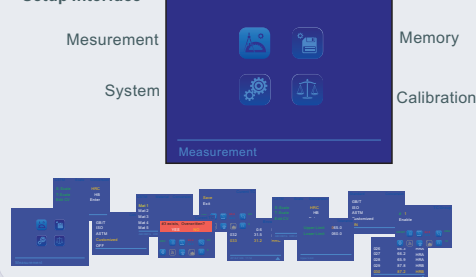
Recharge Cable



Test Interface



Setup Interface

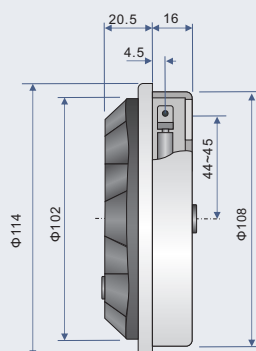


Data Output

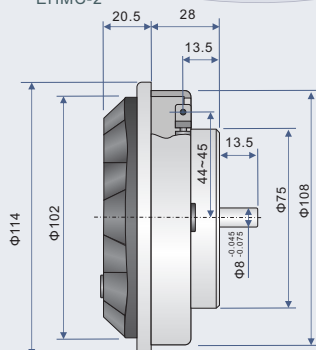


Mounting Dimensions

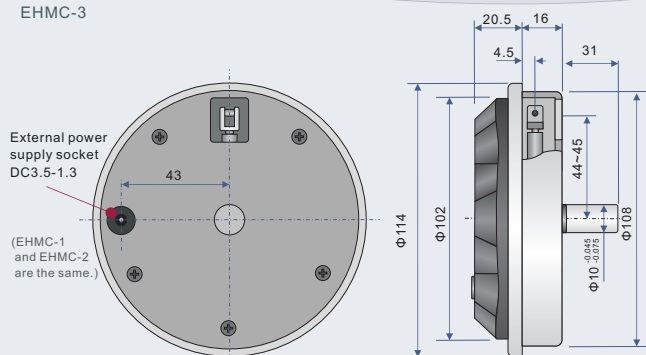
EHMC-1



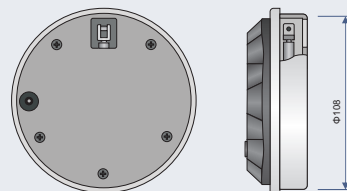
EHMC-2



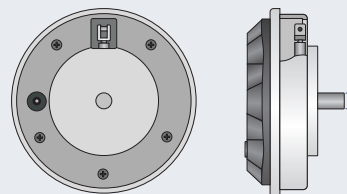
EHMC-3



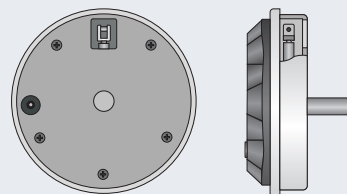
EHMC-1



EHMC-2



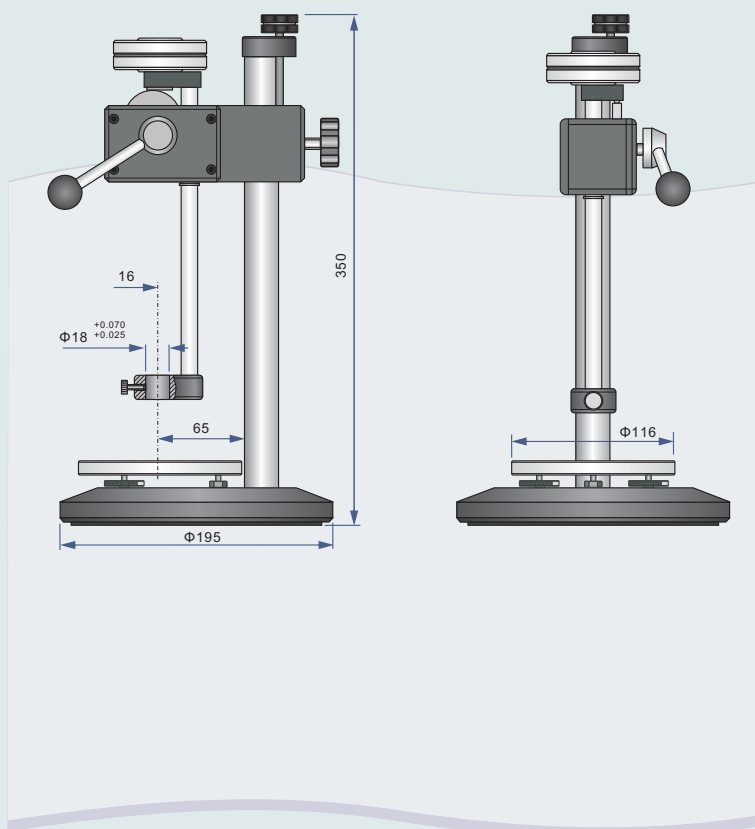
EHMC-3



Specifications

Operating Type	Indentor to specimen
Loading Method	Cam loading
Loading Stroke	18 mm
Specimen Thickness	60 mm
Throat Depth	65 mm
Support Table (dia.)	Φ116 mm
Lifting Adjustment	Screw adjustment
Table Adjustment	Three-point leveling
Net Weight	5.6kg(excluding S weight)
Package Weight	7.6kg(excluding D weight)

Dimension



EON120b0000



Optional

D Weights
4500 gr

EON120a0100



-  CE Certificate
-  FCC Certificate
-  Wireless Data Transfer
-  Connect to PC
-  Wireless Printing
-  Color Display
-  Touch Pad
-  Unit Conversion
-  Multiple Probe(Sensor)
-  Automatic Sensor Identification
-  Power by Batteries
-  Chargeable
-  AC Power
-  Go/NG
-  Overload Alarm
-  Automatic Direction Identification
-  Diagram Display
-  Sensor Data Integration

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