

Manual Rockwell Hardness Tester Vexus SHR-150M

Applications:

Vexus SHR-150M is an effective manual Rockwell testing machine with high accuracy, reliability and durability, it is applied at the workshops and measurement departments for determining the Rockwell hardness of the ferrous and non-ferrous metals.

Characteristic:

- Vexus SHR-150M analogue gauge resolution is 0.5HR, it is useful to improve the reading accuracy than traditional 1HR resolution;
- Vexus SHR-150M force knob adopts the metal material to replace the plastic, it improves the instrument using-life a lot;
- Vexus SHR-150M loading, dwell and unloading is buffering by oil pump, it eliminate the operator's tiredness.
- Vexus SHR-150M intenter protector is available to improve the using lifetime of indenter.

Specifications:

Product Name	Manual Rockwell Hardness Tester
Model	Vexus SHR-150M
Code#	811-111
Rockwell Scales	HRA,HRB,HRC
Preliminary Test Force	10Kgf(98.07N)
Test Force	60Kgf(558.4N),100Kgf(980.7N),150Kgf(1471N)
Dwell Time	Adjustable 1-60s
Hardness Indication	Analogue Display
Resolution	0.5HR
Loading Control	Manual
Max. Height Of Specimen	175mm
Instrument Throat	165mm
Dimension(LxWxH)	520 x215 x700mm
Packing Dimension	630 x440 x960mm
Gross/Net Weight	120Kg/90Kg
Execution Standard	GB/T230.2, JJG112, EN-ISO 6508 , ASTM E-18



Vexus SHR-150M(#811-111)

Standard Delivery:

Standard Delivery	Code#
Instrument Main Body	811-111
Hardness Block (57-70) HRC	811-601
Hardness Block (20-33) HRC	811-611
Hardness Block (85-100) HRB	811-621
Ø1.588mm Ball Indenter	811-411
Ø1.588mm Steel Ball	811-421
Cone Diamond Indenter	811-401
Ø 150mm Flat anvil	811-541
Ø 55mm V-shape Anvil	811-521
Weight A	811-711
Weight B	811-721
Weight C	811-731
Accessories Box	811-901
Anti-dust Cover	811-911
Instrument Manual	Vexus SHR-150M



Electronic Rockwell Hardness Tester Vexus SHR-150E

Applications:

Vexus SHR-150E is an effective electronic Rockwell testing machine with high accuracy, reliability and durability, it is applied at the workshops and measurement departments for determining the Rockwell hardness of the ferrous and non-ferrous metals.

Characteristic:

- Vexus SHR-150E analogue gauge resolution is 0.5HR, it is useful to improve the reading accuracy than traditional 1HR resolution;
- Vexus SHR-150E dwell time from 1 to 60s can be setup by the "time key" on the panel, it is much convenient than the setup on the manual hardness tester;
- Vexus SHR-150E force knob adopts the metal material to replace the plastic, it improves the instrument using-life a lot;
- Vexus SHR-150E loading, dwell and unloading is buffering by electronic motor automatically, doesn't need the operator to handle it, it eliminates the human operation error maximum.
- Vexus SHR-150E indenter protector is available to improve the using lifetime of indenter.

Specifications:

Product Name	Electronic Rockwell Hardness Tester
Model	Vexus SHR-150E
Code#	811-121
Rockwell Scales	HRA,HRB,HRC
Preliminary Test Force	10Kgf(98.07N)
Test Force	60Kgf(558.4N),100Kgf(980.7N),150Kgf(1471N)
Dwell Time	Adjustable 1-60s
Hardness Indication	Analogue Display
Resolution	0.5HR
Loading Control	Electronic
Max. Height Of Specimen	175mm
Instrument Throat	165mm
Dimension(LxWxH)	520 x215 x700mm
Packing Dimension	630 x440 x960mm
Gross/Net Weight	120Kg/90Kg
Execution Standard	GB/T230.2, JJG112, EN-ISO 6508, ASTM E-18



Vexus SHR-150E(#811-121)

Standard Delivery:

Standard Delivery	Code#
Instrument Main Body	811-121
Hardness Block (57-70) HRC	811-601
Hardness Block (20-33) HRC	811-611
Hardness Block (85-100) HRB	811-621
Ø1.588mm Ball Indenter	811-411
Ø1.588mm Steel Ball	811-421
Cone Diamond Indenter	811-401
Ø 150mm Flat Anvil	811-541
Ø 55mm V-shape Anvil	811-521
Ø 55mm Flat Anvil	811-511
Weight A/B/C	811-711/721/731
Power Cable	811-801
Accessories Box-	811-901
Anti-dust Cover	811-911
Instrument Manual	Vexus SHR-150E

Digital Rockwell Hardness Tester Vexus SHR-150C

Characteristic:

- Vexus SHR-150C is a half automatic and intelligent hardness testing machine, except to lift up the anvil to touch the specimen and select the test force: 60Kgf(588.4N), 100Kgf(980.7N) and 150Kgf(1471N) in hand-knob manually, the other operations are entirely automatic.
- The testing force, the process of loading, dwell and unloading, the hardness testing value, and the corresponding converted scale are displayed on LCD screen automatically.
- Vexus SHR-150C system will remind the operator to select the corresponding testing force and indenter after scales choosing, and the automatic hardness testing and digital 0.1HR resolution display avoids the man-made error and enhance the measuring accuracy.
- Vexus SHR-150C force knob adopts the metal material to replace the plastic material, it improves the instrument using-life greatly.
- Vexus SHR-150C can make the hardness conversion among 14 hardness scales: HRA, HRB,HRC, HRD, HRE,HV, HK, HBW, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, it doesn't need the operator to trace and check the fussy hardness comparison table again.
- Vexus SHR-150C saves, displays and analyzes the value of maximum, minimum, average and tolerance automatically, the mini-printer prints the main measuring data automatically, and it supports PC communication in RS232 interface and cable.



Vexus SHR-150C(#811-131)

Specifications:

Product Name	Digital Rockwell Hardness Tester
Model	Vexus SHR-150C
Code#	811-131
Rockwell Scales	HRA,HRB,HRC,HRD,HRE,HVF,HRG,HRH,HRk,HRL,HRM,HRR
Preliminary Test Force	10Kgf(98.07N)
Test Force	60Kgf(588.4N),100Kgf(980.7N),150Kgf(1471N)
Dwell Time	Adjustable 1-60s
Hardness Indication	digital LCD Display
Resolution	0.1HR
Loading Control	Automatic
Data Output	RS 232/Printer
Auto Hardness Conversion	HB, HK, HV, etc
Max. Height Of Specimen	175mm
Instrument Throat	165mm
Dimension(LxWxH)	520 x215 x700mm
Packing Dimension	630 x440 x960mm
Gross/Net Weight	120Kg/90Kg
Execution Standard	GB/T230.2, JJG112, EN-ISO 6508 , ASTM E-18

Standard Delivery:

Standard Delivery	Code#
Instrument Main Body	811-131
Hardness Block (57-70) HRC	811-601
Hardness Block (20-33) HRC	811-611
Hardness Block (85-100) HRB	811-621
Ø1.588mm Ball Indenter	811-411
Ø1.588mm Steel Ball	811-421
Cone Diamond Indenter	811-401
Ø 150mm Flat Anvil	811-541
Ø 55mm V-shape Anvil	811-521
Weight A/B/C	811-711/721/731
Mini-Printer	811-831
Accessories Box	811-901
Power Cable	811-801
Instrument Fuse	811-811
Instrument Manual	Vexus SHR-150C



Manual Superficial Rockwell Hardness Tester Vexus SHR-45M

Applications:

Vexus SHR-45M is an effective manual superficial Rockwell testing machine with high accuracy, reliability and durability, it is applied at the workshops and measurement departments for determining the superficial Rockwell hardness of the ferrous and non-ferrous metals.

Characteristic:

- Vexus SHR-45M analogue gauge resolution is 0.5HR, it is useful to improve the reading accuracy than traditional 1HR resolution;
- Vexus SHR-45M force knob adopts the metal material to replace the plastic, it improves the instrument using-life a lot;
- Vexus SHR-45M loading, dwell and unloading is buffering by oil pump, it eliminate the operator's tiredness.
- Vexus SHR-45M intenter protector is available to improve the using lifetime of indenter.

Specifications:

Product Name	Manual Superficial Rockwell Hardness Tester
Model	Vexus SHR-45M
Code#	811-211
Rockwell Scales	HR15N,HR30N,HR45N,HR15T,HR30T,HR45T
Preliminary Test Force	3Kgf(29.42N)
Test Force	15Kgf(147.1N),30Kgf(294.2N),45Kgf(441.3N)
Dwell Time	Adjustable 1-60s
Hardness Indication	Analogue Display
Resolution	0.5HR
Loading Control	Manual
Max. Height Of Specimen	175mm
Instrument Throat	165mm
Dimension(LxWxH)	520 x215 x700mm
Packing Dimension	630 x440 x960mm
Gross/Net Weight	120Kg/90Kg
Execution Standard	GB/T230.2, JJG112, EN-ISO 6508 , ASTM E-18



Vexus SHR-45M(#811-211)

Standard Delivery:

Standard Delivery	Code#
Instrument Main Body	811-211
Hardness Block HR30T	811-661
Hardness Block HR15N	811-671
Hardness Block HR30N	811-681
Ø1.588mm Ball Indenter	811-411
Ø1.588mm Steel Ball	811-421
Cone diamond Indenter	811-401
Ø 150mm Flat Anvil	811-541
Ø 55mm V-shape Anvil	811-521
Ø 55mm Flat Anvil	811-511
Weight 1	811-741
Weight 2	811-751
Weight 3	811-761
Accessories Box	811-901
Instrument Manual	Vexus SHR-45M

Electronic Superficial Rockwell Hardness Tester Vexus SHR-45E

Applications:

Vexus SHR-45E is an effective electronic Superficial Rockwell testing machine with high accuracy, reliability and durability, it is applied at the workshops and measurement departments for determining the superficial Rockwell hardness of the ferrous and non-ferrous metals.

Characteristic:

- Vexus SHR-45E analogue gauge resolution is 0.5HR, it is useful to improve the reading accuracy than traditional 1HR resolution;
- Vexus SHR-45E dwell time from 1 to 60s can be setup by the "time key" on the panel, it is much convenient than the setup on the manual hardness tester;
- Vexus SHR-45E force knob adopts the metal material to replace the plastic, it improves the instrument using-life a lot;
- Vexus SHR-45E loading, dwell and unloading is buffering by electronic motor automatically, doesn't need the operator to handle it, it eliminates the human operation error maximum.
- Vexus SHR-45E indenter protector is available to improve the using lifetime of indenter.

Specifications:

Product Name	Electronic Superficial Rockwell Hardness Tester
Model	Vexus SHR-45E
Code#	811-221
Rockwell Scales	HR15N,HR30N,HR45N,HR15T,HR30T,HR45T
Preliminary Test Force	3Kgf(29.42N)
Test Force	15Kgf(147.1N),30Kgf(294.2N),45Kgf(441.3N)
Dwell Time	Adjustable 1-60s
Hardness Indication	Analogue Display
Resolution	0.5HR
Loading Control	Electronic
Max. Height Of Specimen	170mm
Instrument Throat	140mm
Dimension(LxWxH)	520 x215 x700mm
Packing Dimension	630 x440 x960mm
Gross/Net Weight	120Kg/90Kg
Execution Standard	GB/T230.2, JJG112, EN-ISO 6508, ASTM E-18



Vexus SHR-45E(#811-221)

Standard Delivery:

Standard Delivery	Code#
Instrument Main Body	811-221
Hardness Block HR30T	811-661
Hardness Block HR15N	811-671
Hardness Block HR30N	811-681
Ø1.588mm Ball Indenter	811-411
Ø1.588mm Steel Ball	811-421
Cone Diamond Indenter	811-401
Ø 150mm Flat anvil	811-541
Ø 55mm V-shape Anvil	811-521
Ø 55mm Flat Anvil	811-511
Weight 1/2/3	811-741/751/761
Instrument Fuse	811-811
Power Cable	811-801
Accessories Box	811-901
Instrument Manual	Vexus SHR-45E



Digital Superficial Rockwell Hardness Tester Vexus SHR-45C

Characteristic:

- Vexus SHR-45C is a half automatic and intelligent hardness testing machine, except to lift up the anvil to touch the specimen and select the test force: 15Kgf(147.1N), 30Kgf(294.2N) and 45Kgf(441.3N) in hand-knob manually, the other operations are entirely automatic.
- The testing force, the process of loading, dwell and unloading, the hardness testing value, and the corresponding converted scale are displayed on LCD screen automatic.
- Vexus SHR-45C system will remind the operator to select the corresponding testing force and indenter after scales choosing, and the automatic hardness testing and digital 0.1HR resolution display avoids the man-made error and enhance the measuring accuracy.
- Vexus SHR-45C force knob adopts the metall material to replace the plastic material, it improves the instrument using-life greatly.
- Vexus SHR-45C can make the hardness conversion among 14 hardness scales: HRA, HRB,HRC, HRD, HRF, HV, HK, HBW, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, it doesn't need the operator to trace and check the fussy hardness comparison table again.
- Vexus SHR-45C saves, displays and analyzes the value of maximum, minimum, average and tolerance automatically, the mini-printer prints the main measuring data automatically, and it supports PC communication in RS232 interface and cable.



Vexus SHR-45C(#811-231)

Specifications:

Product Name	Digital Superficial Rockwell Hardness Tester
Model	Vexus SHR-45C
Code#	811-231
Rockwell Scales	HR15N,HR30N,HR45N,HR15T,HR30T,HR45T
Preliminary Test Force	3Kgf(29.42N)
Test Force	15Kgf(147.1N),30Kgf(294.2N),45Kgf(441.3N)
Dwell Time	Adjustable 1-60s
Hardness Indication	digital LCD Display
Resolution	0.1HR
Loading Control	Automatic
Data Output	RS 232/Printer
Auto Hardness Conversion	HRC,HRB,HRA,HK,HV,HBW
Max. Height Of Specimen	175mm
Instrument Throat	165mm
Dimension(LxWxH)	520 x215 x700mm
Packing Dimension	630 x440 x960mm
Gross/Net Weight	120Kg/90Kg
Execution Standard	GB/T230.2, JJG112, EN-ISO 6508 , ASTM E-18

Standard Delivery:

Standard Delivery	Code#
Instrument Main Body	811-131
Hardness Block HR30T	811-661
Hardness Block HR15N	811-671
Hardness Block HR30N	811-681
Ø1.588mm Ball Indenter	811-411
Ø1.588mm Steel Ball	811-421
Cone Diamond Indenter	811-401
Ø 150mm Flat Anvil	811-541
Ø 55mm V-shape Anvil	811-521
Ø 55mm Flat Anvil	811-511
Weight 1/2/3	811-741/751/761
Power Cable	811-801
Mini-Printer	811-911
Accessories Box	811-831
Instrument Manual	Vexus SHR-45C

Digital Superficial Twin Rockwell Hardness Tester

SHR-145

Applications:

SHR-145 is a effective and affordable hardness testing machine with novel appearance and unique inside structure, features high measuring accuracy, reliable performance and applicable to wide fields, it is applicable to measure hardness testing of both Rockwell and Superficial Rockwell. It can measure the hardness of hard metals, carburizing steels, quenching steels, hard cast irons, mild steels, A1, Cu and malleable irons

SHR-145 has big LCD screen to display the measuring data, and it has the hardness conversion between Rockwell, Brinell, and Vickers, and it has other functions, such as, dwell time adjustment, data dispose, storage, printing and RS-232 output, etc.



SHR-145(#811-152)

Specifications:

Product Name	Digital Superficial Twin Rockwell Hardness Tester
Model	SHR-145
Code#	811-152
Rockwell Scales	HRA,HRB,HRC,HR15N,HR30N,HR45N,HR15T,HR30T,HR45T
Preliminary Test Force	3Kgf(29.4N), 10kgf(98.7N)
For Superficial Rockwell Testing	15Kgf(147.1N),30Kgf(294.2N),45Kgf(441.3N)
For Rockwell hardness Testing	60Kgf(588.4N),100Kgf(980.7N),150Kgf(1471N)
Dwell Time	Adjustable 1-60s
Hardness Indication	Digital LCD Display
Resolution	0.1HR
Loading Control	Automatic
Data Output	RS 232/Printer
Auto Hardness Conversion	HRC、HRB、HRA、HV、HK、HBW、etc
Max. Height Of Specimen	180mm
Instrument Throat	160mm
Dimension(LxWxH)	520 x215 x700mm
Packing Dimension	630 x440 x960mm
Gross/Net Weight	120Kg/90Kg
Execution Standard	GB/T230.2, JJG112, EN-ISO 6508 , ASTM-E-18

Standard Delivery:

Standard Delivery	Code#
Hardness Block HRT	811-662
Hardness Block HRN	811-672
Hardness Block(57-70) HRC	811-602
Hardness Block(20-33) HRC	811-612
Hardness Block(85-100) HRB	811-622
Ø1.588mm Ball Indenter	811-412
Ø1.588mm Steel Ball	811-422
Cone diamond Indenter	811-402
Ø 150mm Flat Anvil	811-542
Ø 55mm V-shape Anvil	811-522
Ø 55mm Flat Anvil	811-512
Weight A/B/C	811-712/722/732
Instrument Fuse	811-812
Mini-Printer	811-832
Power Cable	811-802
Accessories Box	811-902
Instrument Manual	SHR-145