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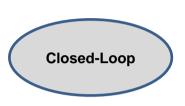
Web: www.auscal.com.au Email: acs@auscal.com.au A.B.N. 33 623 153 736



**TruForce** 

### Digital Combined Rockwell Hardness Tester | TF-SHR145AN

## **Digital Combined Rockwell Hardness Tester**







#### Features:

- The test force is applied via a closed-loop control unit with a load cell, a DC motor and an electronic measurement and control unit replace traditional dead weights. The result is highly accurate measurements at all test loads up to 0.5%.
- Simple plug and play tech allows for much more quick and easy installation than traditional weights type machine.
- Manual handle wheel pre-load. Automatic main-load and testing cycle.
- Extended dolphin nose allows vertical test height of 300mm and throat depth of 220mm.
- Integrated casting body with wider basement leads to permanent stability.
- RS232 and USB port to PC.



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### TruForce

### Digital Combined Rockwell Hardness Tester | TF-SHR145AN

#### **Basic Functions:**

- Combined tester--Regular Rockwell & Rockwell Superficial hardness for metal and plastic material.
- Horizontal dolphin nose Indenter is suitable also for internal and external testing.
- Testing on Surfaces difficult to reach. Testing internal surface of rings and tubes.
- Provided with many features such as high measuring precision, wide measuring range with 30 Rockwell scales.
- The tester is suitable for testing of carbon steel, alloy steel, cast iron, non ferrous metal.
- Automatic testing cycle: Lifting of part, pre-loading, loading, dwell, unloading, results will be finished automatically.
- Measuring results digitally displaying and can be printed, or transmitted to external computer automatically by USB port.
- Test HR value can be converted to the value of HB, HV, HK and σb value.











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## **TruForce**

# Digital Combined Rockwell Hardness Tester | TF-SHR145AN

# **Specifications:**

Description	Digital Combined Rockwell Hardness Tester
Model	TruForce TF-SHR145N
Code#	811-318
Preload	29.4N(3kgf), 98.1N (10kgf)
Total test force	147.1N(15kgf), 294.3N(30kgf), 441.3N(45kgf), 588.4N (60kgf), 980.7N (100kgf), 1471N (150kgf)
Scales	HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HR15W, HR30W, HR45W, HR15X, HR30X, HR45X, HR15Y, HR30Y, HR45Y, HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HRL, HRM, HRP, HRR, HRV
Load dwell duration	$2{\sim}50$ s, can be set and stored
Resolution	0.1HR
Display	High definition backlight LCD
Data statistics	Avg., Max., Min., S, R
Memory	Max 400 items of test results stored automatically
Testing Capacity	300mm (vertical), 220mm (horizontal)
Dimensions	690mm×280mm×860mm
Power supply	AC, 240V/110V, 50~60Hz, 4A
Net weight	86Kg
Gross weight	115Kg

## **Standard Delivery**

Description	Code #	Description	Code #
Instrument	811-128	Ø1.588mmBall Intender	811-411
Hardness BlockHRA	811-611A	Cone Diamond Intender	811-401
Hardness BlockHRB	811-621B	Flat Anvil	811-521
Hardness BlockHRC	811-631C	Ø40mm V-shape Anvil	811-511
Hardness BlockHR15N	811-661N	Power Cord	811-801
Hardness BlockHR30N	811-671N	Toolbox	811-901
Hardness BlockHR15T	811-661T	Dust Cover	811-911
Hardness BlockHR30T	811-671T	Screwdriver	811-951
Warranty Card /Qualified Certificate		Operation Manual /Packing List	

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