

## Portable Hardness Testers

### Model ISH-SPHA

- Communicates with printer via wireless IR
- User profiles for fast change of all settings
- Large memory (about 800 readings) with on-screen review of data
- Based on LEEB hardness scale, converted to other hardness scales (HV, HB, HRC, HRB and HS) and tensile strength Mpa
- Auto power off
- Conforms to ASTM A956-02 standards
- Resolution: 1HL, 0.1HRB, 0.1HRC, 1HV, 1HB, 1HS, 1MPa
- Accuracy:  $\pm 6HL$  (HL=800)
- Workpiece specifications: min. weight: 11lbs/5kg  
min. thickness: 0.2"/5mm  
min. thickness of layers: 0.03"/0.8mm  
min. radius of curved surface: 0.43"/11mm
- Working temperature: 32°F-122°F (0°C-50°C)
- Built in 3.7V rechargeable lithium battery
- Large LCD touch screen display with back light includes: hardness HL, conversion hardness, impact direction, test times, average value, difference of maximum and minimum, material, impact device, time, battery power
- Output: wireless IR (infrared) and USB
- Low and high limit settings
- Dimensions: 5.3 x 3.2 x 0.9" (135 x 83 x 24mm)
- Weight: 8.1oz/230g

**Includes:**

- 1) Main unit
- 2) Printer
- 3) Impact device "D"
- 4) Cleaning brush for impact device
- 5) Supporting ring for impact device
- 6) Test block
- 7) AC/DC adapter



**Code**

889208

### Model ISH-PHA

- Based on LEEB hardness scale, converted to other hardness scales (HV, HB, HRC, HRB and HS) and tensile strength Mpa
- Resolution: 1HL, 0.1HRB, 0.1HRC, 1HV, 1HB, 1HS, 1MPa
- Accuracy:  $\pm 6HL$  (HL=800)
- Workpiece specifications: min. weight: 11lbs/5kg  
min. thickness: 0.2"/5mm  
min. thickness of layers: 0.03"/0.8mm  
min. radius of curved surface: 0.43"/11mm
- Working temperature: 32°F-122°F (0°C-50°C)
- Battery operated (rechargeable), with battery power indicator
- Large LCD display with back light includes: scale, hardness value, average value, test times, date, impact direction, material
- Output: wireless IR (infrared) and USB
- Low and high limit settings
- Dimensions: 6 x 3.1 x 1" (150 x 80 x 24mm)
- Supplied in fitted storage case

**Includes:**

- 1) Main unit
- 2) Printer
- 3) Impact device "D"
- 4) Cleaning brush for impact device
- 5) Supporting ring for impact device
- 6) Test block



**Code**

889207