SAUTER

Checklist for your mobile hardness tester - your requirements

1) What type of hardness testing method should be used?

- ☐ Shore (DIN ISO 48-4)
- ☐ Leeb (DIN EN ISO 16859)
- ☐ UCI (DIN 50159)

Others: _____

---

2) According to which scale of hardness should be tested?

- ☐ HA, HA0, HD (Shore)
- ☐ HL, HLD, HLG (Leeb)
- ☐ HRA, HRB, HRC (Rockwell)
- ☐ HV (Vickers)
- ☐ HBS, HB, HBW (Brinell)
- ☐ HK (Knoob)
- ☐ N/mm², MPa (Tensile strength)

Others: _____

---

3) What material is to be measured?

- ☐ Plastics
- ☐ Elastomers
- ☐ Silicone, Rubber
- ☐ Resin, Vinyl
- ☐ Resopal, Epoxy
- ☐ Plexiglas
- ☐ Foams, Sponges
- ☐ Stainless steel
- ☐ Steel, Steel Alloy
- ☐ Non-ferrous metals like copper or aluminum
- ☐ Carbide
- ☐ Carbon, Carbon Fiber
- ☐ Composite Materials

Others: _____

---

4) Please answer the following questions about your workpiece/test item:

What thickness has the workpiece? (E.g.: 12mm) _____

What weight has the workpiece? (E.g.: 5kg) _____

What surface quality does the workpiece have? (E.g.: Rz 10) _____

SAUTER

What shape has the workpiece? (E.g.: Round) _____

May the measurement damage the surface? _____

5) Please answer the following questions about measuring range and tolerance:

What measuring range is required? (E.g.: 100 HA) _____

What tolerance / measurement accuracy is required? (E.g.: 1%) _____

6) Which additional options are needed?

- ☐ Factory calibration certificate in paper form for the measuring instrument
- ☐ Hardness reference block incl. factory calibration certificate
- ☐ Test stand or tripod to the measuring device
- ☐ Support rings for cylindrical components
- ☐ Data interface / Data output
- ☐ Data transmission software
- ☐ Interface cable
- ☐ External Sensor
- ☐ Statistics function
- ☐ Internal data storage

Others: _____

7) Briefly describe your use case:

_____

_____

_____

8) For the offer with a suitable solution, please give us your contact details:

Customer no.: _____

Company: _____

Surname, Forename: _____

Street: _____

ZIP CODE / City: _____

Country: _____

Phone: _____

Fax. _____

E-Mail: _____

Please send the completed checklist with your requirements to: **info.sauter@kern-sohn.com**

Please click here