

SONO-S (HV1 – HV10)

Our new Probe-Generation combines the fast measurement of hand-held probes, with the reliability and precision of motor probes - even on curved surfaces

Developed from experience - for the practice.

With the help of form adjusted probe feet, SONO-S can be placed steady on almost any surface. This enables a reproducible measurement with high accuracy.

The Vickers-Diamond is protected from direct material contact by a special formed support tube, respectively a probe foot. The probe is first placed in a stable test position holding it with one hand. Then the measurement process is released by the other hand using a special, spring-loaded pressure-head. Herewith it is given that the test load always comes from the outer end of the probe, alongside the probe-axis, with minimal influence of shear force to the measurement.

This novel integrated probe guidance allows very well manageable test processes, comparable with measurements made with a test stand. Experienced personnel can work on local narrow spaces directly with the diamond tip, without a protection, according to the classic model of the SonoDur hand-held probe.



Advantages

- ✓ Precise, stable test-system. Replaces a test stand, but with optimal mobility & minimal side-forces.
- ✓ The Vickers diamond is lowered exactly vertical to the material surface. Self-alignment through prismatic attachments. Even on round, thin parts the apex is always met.
- ✓ Measurements can be prepared very well, through the protected diamond. Big pressure button spares the hands and can be used without special strength.
- ✓ Form-fitted probe-feet prevent disturbing resonances. They appear like blank holder on thin, flat parts for best contact to the base.
- ✓ Special probe-construction. It allows almost every expansion for custom-built execution.

Main field of applications

- ✓ By secure placement and fixture of the probe, this probe is made for measurements, even for untrained personnel, in good to reach test-positions.
- ✓ Curved, irregularly formed surfaces, hardened edges and passages.
- ✓ In general hard to reach test-positions.
- ✓ Big parts, which demand the personnel to get there under complicated conditions.