

# TECHNICAL DATA

## DIAVITE DH-8

Measurement variables	<ul style="list-style-type: none"><li>■ ISO/DIN: Ra, Rz (DIN), Rmax, R3z, Rt, Rq (RMS), Rk, Rp, Rv, Rpk, Rvk, MR1, MR2, Rpc, C1, C2, contact ratio Rmr, C0, Cz</li><li>■ JIS: Ra (JIS), Rz (JIS)</li><li>■ ISO 12085: R, AR, Rx</li><li>■ additional measurement values via PC software DIASOFT (optional)</li></ul>
Measurement ranges	<ul style="list-style-type: none"><li>■ Ra, Rq: 0 – 20,00 µm   0 – 800 µin</li><li>■ All other measurement values: 0 – 350.0 µm   0 – 1400 µin</li></ul>
Display	<ul style="list-style-type: none"><li>■ Ra, Rq: 0,001 µm</li><li>■ All other measurement values: 0.01 µm</li></ul>
Output	USB port
Humidity	max. 80%, non-condensing
Languages	German, English, French, Italian, Spanish, Polish
Tracing system	Analogue Hall-effect technology, with a high-linearity output signal
Tracer tip	Diamond tip: 5 µm, 90° (standard) or 2 µm, 60° (option)
Tracing skid radius	25 mm (standard tracer)
Static measuring force	Tip < 0.75 mN
Statische Auflagekraft	Skid < 0.15 N
Tracing speed	0.25, 0.5 und 1.0 mm/s
Reverse speed	1,0 mm/s
Motor unit	VH for tracer with skid and VHF for tracer with and without skid
Device dimensions (L x W x H)	245 x 130 x 78 mm
Motor unit dimensions	approx. 20 x 33 x 136 mm (with supporting shoe)
Scope of delivery	<ul style="list-style-type: none"><li>■ Instrument DH-8</li><li>■ Motor unit VH or VHF</li><li>■ Standard tracer SH incl. test protocol</li><li>■ Specimen metal Ra = 3.00</li><li>■ Charger</li><li>■ Connecting cable</li><li>■ USB-connecting cable</li><li>■ Screw driver</li><li>■ USB stick with software DIASOFT BASIC and instruction manual</li><li>■ Short user manual</li><li>■ Delivery report</li><li>■ Carrying case</li></ul>