

# TECHNICAL DATA

## DIAVITE DH-10 TOUCH

Parameters roughness	<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, CO, Cz, V0, Rdg, RL0</li><li>■ JIS: Ra (JIS), Rz (JIS)</li><li>■ ISO 12085: R, AR, Rx</li></ul>
Parameters profile	<ul style="list-style-type: none"><li>■ ISO/DIN: Pa, Pz, Pt, Pq, Pmr, PPc, Pmax</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>
Connections	2x USB-3.0 / 1x mini HDMI / 1x LAN/RJ45
Humidity	max. 80 %, non-condensing
Languages	German, English, French, Italian, Spanish, Polish, Chinese
Tracing system	Analog Hall effect technology with high linear output signal
Cutoff	0.08 mm / 0.25 mm / 0.8 mm / 2.5 mm / «OFF» for profile parameters
Tracer tip	Diamond tip: 5 µm, 90° (standard) or 2 µm, 60° (option)
Measurement range in Z	approx. 450 µm
Static measuring force	Tip < 0.75 mN
Static tracking force	Skid < 0.15 N
Tracing speed	0.25, 0.5 and 1.0 mm/s
Reverse speed	approx. 1.0 mm/s
Motor unit	VHF for all tracers without and with skid, measuring length 0.48 to 16 mm
Device dimensions (L x W x H)	approx. 265 x 175 x 75 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-10 TOUCH</li><li>■ Motor unit 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>■ Delivery report</li><li>■ Carrying case</li></ul>