

# TECHNICAL DATA

## DIAVITE DH-9 VH or VHF

Parameters roughness	<ul style="list-style-type: none"><li>■ ISO 21920: Ra, Rz, Rt, Rq, Rsk, Rk, Rp, Rpt, Rv, Rvt, Rpk, Rvk, Rpc, Rmr, Rdl, Rsm,</li><li>■ ISO 4287/13565: Ra, Rz, Rmax, R3z, Rt, Rq, Rsk, Rk, Rp, Rv, Rpk, Rvk, MR1, MR2, R<sub>Pc</sub>, C1, C2, Rmr, C0, Cz, V0, R<sub>Dg</sub>, RL0, Rsm</li><li>■ ISO 12085: R, AR, Rx</li></ul>
Parameters profile	<ul style="list-style-type: none"><li>■ ISO 21920: Pa, Pz, Pt, Pq, Pmr, Ppc</li><li>■ ISO 4287/13565: Pa, Pz, Pt, Pq, Pmr, P<sub>Pc</sub>, Pmax</li></ul>
Readout	All measured values: 0.01 µm
Output	1x USB-C (data output)
Humidity	max. 80%, non condensing
Languages	German, English, French, Italian, Spanish, Polish, Chinese
Tracing system	Analogue Hall-effect technology with highly linear output signal
Cutoff (Lc)	0.08 mm / 0.25 mm / 0.8 mm / 2.5 mm
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 / 1.0 mm/s
Reverse speed	approx. 1.0 mm/s
Motor unit	VH only for tracers with skid or VHF for tracers with and without skid
Device dimension (L x B x H)	approx. 240 x 130 x 70 mm
Motor unit dimension (L x B x H)	approx. 136 x 20 x 33 mm (with support shoe)
Scope of delivery	Display unit DIAVITE DH-9 / Motor unit VH or VHF / Connecting cable / Standard tracer SH / Calibration specimen metal Ra = 3.0 µm / USB-C connecting cable / Screwdriver / Instruction manual / Software DIAVITE APP LIGHT / Carrying case /

OUR SALES PARTNERS:

**DIAVITE AG**

DIAVITE AG  
Feldstrasse 62  
8180 Bülach  
Schweiz

Fon +41 43 411 10 20

Fax +41 43 411 10 21

Mail [info@diavite.com](mailto:info@diavite.com)

Web [www.diavite.com](http://www.diavite.com)