

DIAVITE AG

DIAVITE DH-9

FOR USE ONLY WITH TRACER WITH SKID (VERSION VH)

FOR USE WITH TRACER WITH AND WITHOUT SKID (VERSION VHF)



ROUGHNESS MEASUREMENT SYSTEM

Made in Switzerland

DIAVITE DH-9 takes on any challenge

The roughness measuring instruments of DIAVITE AG have been THE STANDARD in surface measurement in many companies for a long time. Each new measurement task is analysed for its feasibility and an individual solution tailored to the customers needs is developed together with the client. This includes, for example, the design of customised tracers, fittings and software adaptations. The measuring systems from DIAVITE AG have already proven themselves in many areas of industry due to their flexible application possibilities, from quality control to testing during series production. Within a few seconds, they deliver exact and repeatable measurements of almost all materials – whether metals, glass, ceramics, semiconductors or polymers.

DIAVITE DH-9

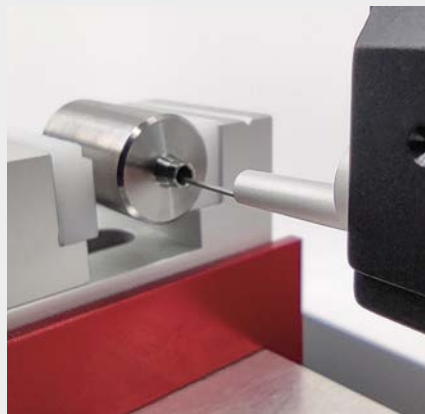
A versatile measuring instrument that meets every requirement in the workshop and in the measuring room. From basic roughness measurement without accessories directly on the machine to measurements in the measuring room with a stand, special tracers and other accessories to the measuring of contours. It can easily solve demanding measuring tasks with optional PC programs. The DIAVITE DH-9 offers the most possible flexibility in the analysis of surface quality.

ROUGHNESS MEASUREMENT

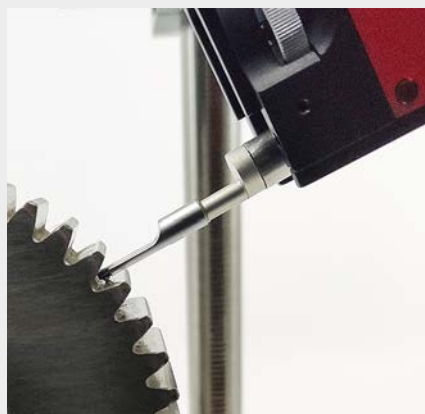
- High-precision roughness measuring instrument for universal use in workshop and measuring room
- Motor unit VH only for tracers with skid or motor unit VHF for tracers with and without skid
- Automatic calibration
- Measuring memory for 50 measuring profiles
- 2 measuring distances adjustable 0.5 to 15.0 mm
- Adjustable measuring speeds
- Calibration of up to 6 tracers
- Many tracers for almost all measuring tasks, also customised solutions
- Easy menu navigation, multilingual
- Tolerance display for exceeded measured values
- Key lock for It, Ic and parameter selection R as a security against incorrect manipulation
- USB-C port for further processing of the data, for example DIAVITE APP LIGHT and DIASOFT
- Accessories for numerous applications, absolutely essential when working with tracers without skid
- Integrated accumulator for mobile applications



DIAVITE DH-9 for tracers with and without skid



Measurement with measuring stand and a BZFH-tracer without skid suitable for small bores and tooth flanks.



Measurement with measuring stand and a ZH-tracer with skid suitable for tooth flanks.

Measurement with measuring stand and a TH-tracer with skid suitable for measurements at the ground up to 140 mm depth.

Aluminium housing



An overview of all suitable tracers can be found in our main brochure and on the website www.diavite.com.

TECHNICAL DATA

DIAVITE DH-9 VH or VHF

Parameters roughness	<ul style="list-style-type: none">■ ISO 21920: Ra, Rz, Rt, Rq, Rsk, Rk, Rp, Rpt, Rv, Rvt, Rpk, Rvk, Rpc, Rmr, Rdl, Rsm,■ ISO 4287 / 13565: Ra, Rz, Rmax, R3z, Rt, Rq, Rsk, Rk, Rp, Rv, Rpk, Rvk, MR1, MR2, R_{Pc}, C1, C2, Rmr, C0, Cz, V0, Rdg, RL0, Rsm■ ISO 12085: R, AR, Rx
Parameters profile	<ul style="list-style-type: none">■ ISO 21920: Pa, Pz, Pt, Pq, Pmr, Ppc■ ISO 4287 / 13565: Pa, Pz, Pt, Pq, Pmr, PPc, Pmax
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:

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