

DIAVITE AG

DIAVITE MICRO VH

FOR USE ONLY WITH TRACERS WITH SKID



ROUGHNESS MEASUREMENT SYSTEM

Made in Switzerland

MICRO VH easy and direct measurement

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 customer's 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.



Aluminium housing

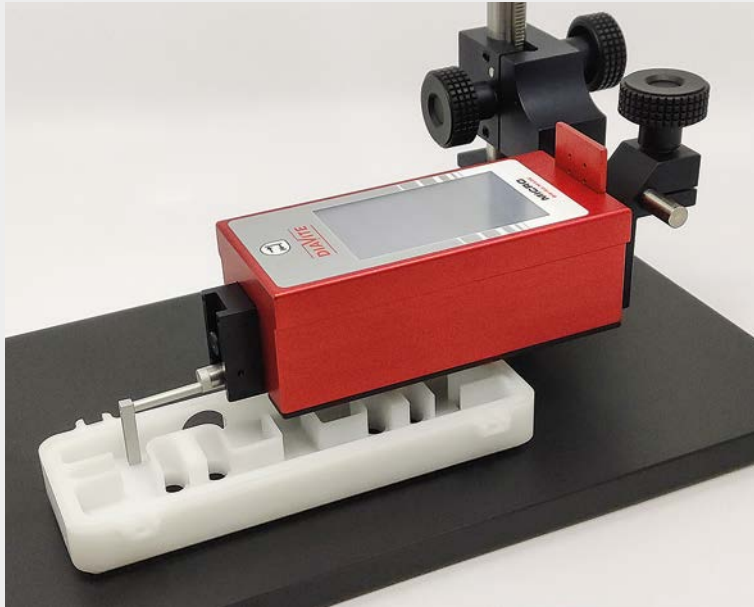
DIAVITE MICRO

More than just a roughness measuring instrument, ideal for use in the workshop or measuring room, where it can solve demanding measuring tasks without any problems with optional PC programs. Suitable accessories help to cope with the daily measuring tasks. The ergonomic shape of the instrument makes it easy and comfortable to use. The durable and high-quality aluminium housing protects the measuring unit from external elements. Simple and intuitive operation on a large illuminated display simplifies multiple uses.

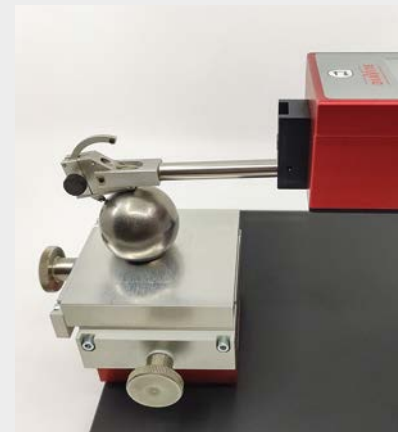
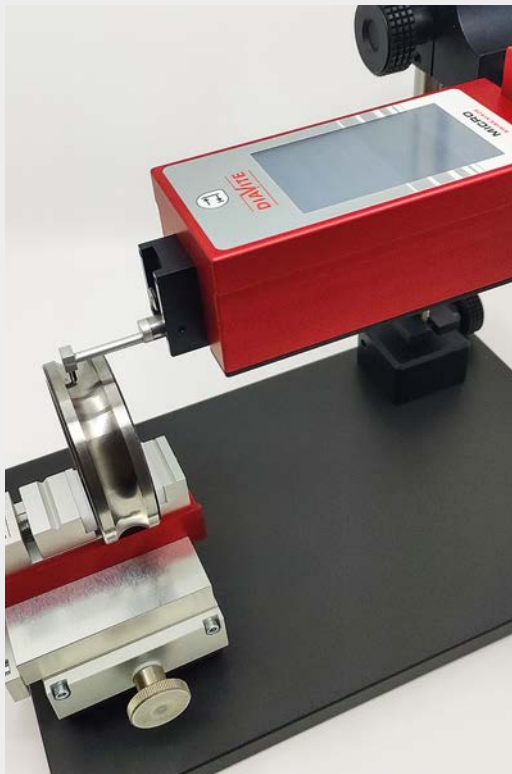
ROUGHNESS MEASUREMENT

- High-precision roughness measuring instrument for universal use in workshop, measuring room and incoming goods
- Automatic calibration
- Measuring distances all adjustable from 0.48 – 16 mm
- Calibration of up to 3 tracers
- Memory
- A wide range of tracers for almost all measuring tasks, also customer-specific solution
- Easy and multilingual menu
- Accessories for many applications

MICRO VH roughness measuring system compact in size



Measurement with measuring stand and a NH tracer with skid suitable for slots and deeper surfaces up to a maximum of 20 mm.



Measurement with a measuring stand and a tracer UH with skid suitable for radial measurements on balls and tubes from \varnothing 8 mm.

Measurement with measuring stand and a tracer KKH with skid suitable for concave and convex surfaces, for example ball bearing guide.

TECHNICAL DATA

DIAVITE MICRO VH

Parameters roughness	<ul style="list-style-type: none">■ ISO 21290: Ra, Rz, Rt, Rzmax, Rp, Rv, Rsm, Rq■ ISO 4287: Ra, Rz, Rt, Rmax, Rp, Rv, Rsm, Rq■ ISO 12085: R, AR, Rx
Measurement ranges	<ul style="list-style-type: none">■ Ra, Rq: 0 – 20.00 µm 0 – 800 µin■ All other measured values: 0 – 350.0 µm 0 – 1400 µin
Readout	<ul style="list-style-type: none">■ All measured values: 0.01 µm
Output	1x USB (data output and charging)
Humidity	max. 80%, non-condensing
Languages	German, English, French, Italian, Spanish, Polish
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	0.5 mm/s
Reverse speed	approx. 1.0 mm/s
Motor unit	VH integrated, measuring length 0.48 – 16 mm
Device dimensions (L x W x H)	approx. 150 x 60 x 45 mm
Scope of delivery	Display unit DIAVITE MICRO / Motor unit VH integrated / Standard tracer SH / Calibration specimen metal Ra=3.0 µm / USB- and charging cable / Screwdriver / Instruction manual / Software DIAVITE App light / Carrying case / Test protocol

OUR SALES PARTNERS:

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