

One tracing system – a variety of instruments

Surface roughness measurement

simple

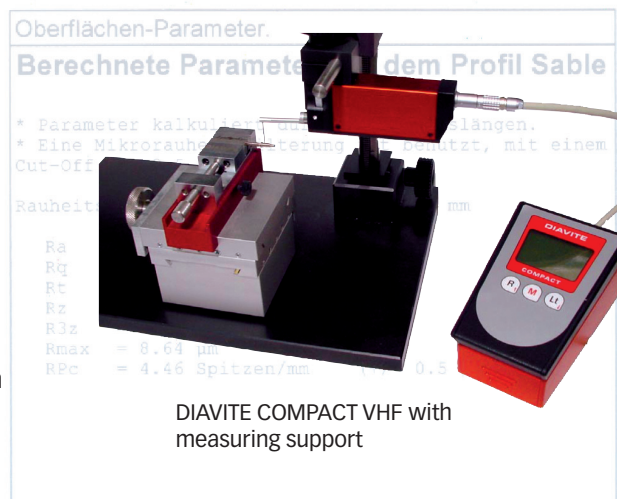
reliable

adaptable

**compatible with
DIAVITE DH-7**



- Measuring- and indicator unit with graphic display and four function buttons
- Traversing unit VH for tracers with skid or traversing unit VHF for both tracers with and without skid
- Traversing unit integrated into the instrument, can also be connected with a cable to the instrument (option for VH) for free measurements
- Cutoff firmly assigned to the traversing length
- Memory for 15 measuring profiles
- Automatic calibration
- Data output interface USB
- Data transfer to PC for data transfer in MS Excel or with optional software DIASOFT
- Rechargeable battery for mobile applications
- Accuracy same as for DIAVITE DH-7 thanks to the application of the same traversing units and the same tracers



DIAVITE COMPACT VHF with measuring support

Accessory for DIAVITE Compact VH and VHF

Detailed description of accessory in prospectus DH-7

- Numerous tracers with and without skid
- Measuring support MSHN
- Cross table KRT
- Fine engineer's vice WMV, for fixing of small parts
- «Tubemaster», accessory for measuring the roughness radially at the inner circumference
- PC-software DIASOFT, three versions as per need
- Later updates to model DH-7 possible

More versatile – superior linearity – adaptable for future needs

More than 50 years experience – used worldwide

MADE IN SWITZERLAND

Technical data DIAVITE COMPACT

Parameters	ISO/DIN: Ra, Rz (DIN), Rmax, R3z, Rt, Rq (RMS), Rk, Rpk, Rvk, MR1, MR2, Ppc, bearing portion Rmr (with printer) JIS: Ra (JIS), Rz (JIS) ISO 12085: R, AR, Rx additional parameters possible with optional PC software		
Measuring range	Ra, Rq All other measuring values	0–20.00 µm 0–200.0 µm	0–800 µin 0–2000 µin
Resolution	Ra, Rq All other measuring values	0.01 µm (< 0.1 µm: 0.001 µm) 0.1 µm	
Instrument precision class (DIN)	1 (5%)		
Cutoff lc	mm	0.25, 0.8, 2.5	
Length of traverse	mm	1.5, 4.8, 15.0	
Length of traverse CNOMO	mm	1, 2, 4, 8, 16	
Power supply	Mains adapter 90–240 V, 50–60 Hz and rechargeable batteries LiMn		
Output	Interface USB		
Humidity	max. 80%, not condensing		
Languages (indication)	English, German, French, Italian, Spanish		
Tracing system	Analogue «Hall-Effect» – technology with high-linear output signal		
Diamond stylus	Diamond point 5 µm, 90° (standard) or 2 µm, 60° (option)		
Tracing skid	25 mm (standard tracer)		
Static measuring pressure	Stylus < 0.5 mN Skid < 0.15 N		
Tracing speed	mm/s	0.5	
Reverse speed	appr. mm/s	1.0	
Motor drive unit	VH (tracer with skid) or VHF (all tracers with and without skid)		
Dimensions instrument	mm	approx. 151 x 74 x 62 (length/width/depth)	
Dimensions motor drive unit	mm	approx. 136 x 20 x 33 (length/width/depth with supporting shoe)	

Subject to modification without prior notice!

Delivery comprises:

Indicator/control unit DIAVITE COMPACT
Standard tracer SH
Traversing unit
Akkumulator
Charger/mains adapter
Metal reference specimen
Carrying case
Adapter/cable for free hand measuring

Type VH

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VH
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Type VHF

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VHF
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