DH-8 takes on every challenge

Our versatile measuring instrument can handle any requirement in the workshop or measuring room. DH-8 tackles everything, from simple roughness measurements without accessories directly on the machine, to measurements in the measuring room, using stands, special tracers and other accessories, and this includes contour detection. Optional PC programmes help DH-8 to easily meet the most challenging requirements. The DIAVITE DH-8 offers the most flexibility when assessing surface finishes. What's more, it can be expanded to include contour and optical measurements.

MEASURING, DISPLAYING AND PRINTING

Measuring and display device with a graphic display and 7 function keys

ROUGHNESS MEASUREMENT

› High-precision roughness measurement instrument for universal use in workshops and measuring rooms
› VH motor unit for tracer with skid or VHF motor unit for tracers with and without skid
› Automatic calibration
› Memory for up to 50 measurements
› 5 measuring lengths, adjustable between 0.5 and 15.0 mm
› Adjustable measurement speed
› Calibration of up to 8 tracers
› 8 measurement programmes
› Many different tracers for almost all measurement tasks, including customised solutions
› Simple, multilingual menu guidance
› Tolerance display for exceeded measurement values
› Key lock for lt, lc and parameter selection R to protect against handling errors
› USB port for further data processing (option: Bluetooth)
› Accessories for many applications, crucial when working with tracers without skid
› Integrated accumulator for portable applications

OPTICAL MEASUREMENTS

The DIAVITE DH-8 permits contactless surface measurements.

Features:

› Measurement range X: from 0.5 to 15 mm
› Measurement range Z: max. 400 µm

MEASURING CONTOURS

The DIAVITE DH-8 permits accurate contour measurement. This requires a special measuring tracer and software.

Features:

› Measurement range X: from 0.5 to 15.0 mm
› Measurement range Z: max. 3 mm
› Scanning angle: downward flanks to 88 °, upward to 77 °

TECHNICAL DATA	DH-8
Measurement variables	› ISO/DIN: Ra, Rz (DIN), Rmax, R3z, Rt, Rq (RMS), Rk, Rp, Rv, Rpk, Rvk, MR1, MR2, Rpc, C1, C2, contact ratio Rmr, C0, Cz › JIS: Ra (JIS), Rz (JIS) › ISO 12085: R, AR, Rx › additional measurement values via PC software (option)
Measurement ranges	› Ra, Rq: 0 – 20.00 µm | 0 – 800 µin › All other measurement values: 0 – 350.0 µm | 0 – 1400 µin
Display	› Ra, Rq: 0.001 µm › All other measurement values: 0.01 µm
Output	USB port / Option: Bluetooth
Humidity	max. 80 %, non-condensing
Languages	German, English, French, Italian, Spanish, Polish
Tracing system	Analogue Hall effect technology with a high-linearity output signal
Tracer tip	Diamond tip: 5 µm, 90° (standard) or 2 µm, 60° (option)
Tracing skid radius	25 mm (standard tracer)
Static measuring force	Tip < 0.5 mN
Static tracking force	Skid < 0.15 N
Tracing speed	0.25, 0.5 and 1.0 mm/s
Reverse speed	1.0 mm/s
Motor unit	VH (tracer with skid) or VHF (tracers with and without skid)*
Device dimensions (L x W x H)	245 x 130 x 78 mm
Motor unit dimensions	approx. 20 x 33 x 136 mm (with supporting shoe)
SCOPE OF DELIVERY	› DIAVITE DH-8 display and printing instrument › VH or VHF motor unit › SH standard tracer › Calibration specimen metal Ra = 3.00 µm › Charger › Connecting cable › USB cable › Screwdriver › Instruction manual and quick guide › Test protocol › Carrying case › DIASOFT Basic software