

DH-8/App and every Windows computer becomes a roughness measuring instrument

DIAVITE DH-8/App is best suited for permanent measuring stations.

Depending on the application, the DIAVITE DH-8/App can be connected to any tablet or PC. The software is easy to install. This way, you can transform any computer into a roughness measuring instrument. Take ad-

vantage of its new available options for data transfer, measurement storage and documentation, and so much more.

The App can be installed on several computers. Simply connect the analysis unit to the computer using a USB cable.

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
- › 5 measuring lengths, adjustable between 0.5 and 15.0 mm
- › Adjustable measurement speed
- › Calibration of up to 8 tracers
- › Measurement programmes
- › Saving of measurement conditions, including test report (format: pdf, csv, txt)
- › Many different tracers for almost every measurement task, including customised solutions
- › Simple and multilingual menu guidance
- › Tolerance display for exceeded measurement values
- › Accessories for many applications, crucial when working with tracers without skid



TECHNICAL DATA	DH-8/App
Measurement variables	<ul style="list-style-type: none"> › 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, V0, Rdg, RL0 › JIS: Ra (JIS), Rz (JIS) › ISO 12085: R, AR, Rx › additional measurement values via PC software Diasoft (optional)
Measurement ranges	<ul style="list-style-type: none"> › Ra, Rq: 0 – 20.00 µm 0 – 800 µin › All other measurement values: 0 – 350.0 µm 0 – 1400 µin
Display	<ul style="list-style-type: none"> › Ra, Rq: 0.001 µm › All other measurement values: 0.01 µm
Output	USB port
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)	145 x 80 x 30 mm
Motor unit dimensions	approx. 20 x 33 x 136 mm (with supporting shoe)
SCOPE OF DELIVERY	<ul style="list-style-type: none"> › DIAVITE PC-8 › VH or VHF motor unit › SH standard tracer › Calibration specimen metal Ra = 3.00 µm › Charger › Connecting cable › USB cable › Screwdriver › Instruction manual › Test protocol › Carrying case › DIAVITE App

* An overview of all compatible tracers can be found on pages 18-21