



Extra Compact Unit with Host of Functions

HANDYSURF E-35A



AI Function Achieves Easy Operability

- The AI function (patent pending) automatically sets the ideal values for measuring range, evaluation length, cut-off value and recording magnification (when printer is used) according to the surface being measured.

Use Anywhere in the World

- The E-35A supports JIS (2001/1994/1982), ISO, DIN, ASME and CNOMO standards, and can be switched between English, Japanese, German, Italian, French, Spanish and Portuguese. In addition, the unit satisfies the European Directives for the CE Marking.

Directly Transfer Data to PC

- The standard RS-232C serial port allows measuring conditions, parameter values and profile curve data to be directly transmitted to a PC.

Data Storage/Rechargeable Battery

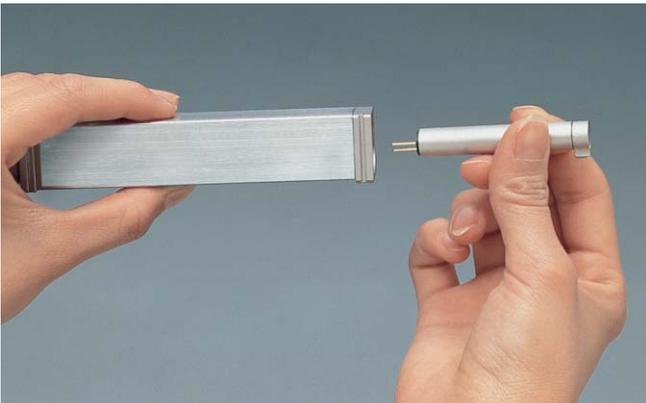
- Ten different data items can be stored in the internal memory, and the measured data can be called at any time. Both the HANDYSURF and printer have built-in rechargeable batteries, making them ideal for on-site measurements where a power source is not readily available.

Measurements from Any Orientation

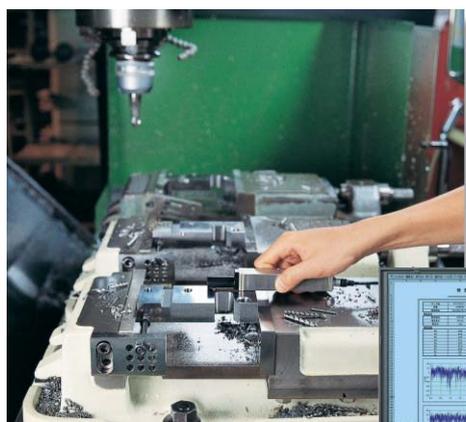
- The compact lightweight HANDYSURF unit can be used to make measurements in a horizontal, vertical, tilted or any other orientation. The display and drive units can be used together as a one-piece instrument, or separated for measurement purposes according to individual requirements.

Replaceable Displacement Pickup

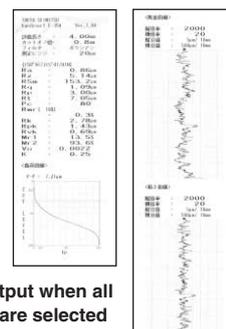
- The displacement pickup enables exact and faithful measurement of surface roughness. Since it is replaceable, dedicated optional pickups can be used for extra small holes and deep grooves, facilitating a diverse range of measurements.



7-language capability, supports world standards, rechargeable battery, PC compatible **Worldwide Compatibility**



Compact printer II

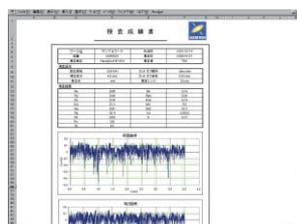


Sample output when all functions are selected



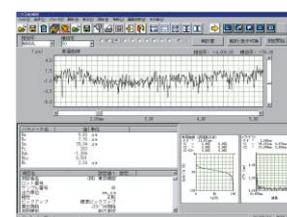
PC Compatible

* Notebook PC connection cable (E-SC-S248A) with macro program is option.



Inspection Report Generation

Data can be read by Excel for generation of an inspection report.



TIMS Light (option)

TIMS Light integrated ACCRETECH measuring system enables versatile advanced analysis.

Specifications

Model		HANDYSURF E-35A
Measuring range	Z axis (vertical)	±160 μm
	X axis (horizontal)	12.5 mm
Resolution	Z axis (vertical)	0.01 μm / ±20 – 0.08 μm / ±160 μm
Analysis items	Standards	Complies with JIS-2001, JIS-1994, JIS-1982, ISO-1997, ISO-1984, DIN-1990, ASME-1995 and CNOMO.
	Parameters	JIS-2001 motif Pt, Ra, Rq, Rz, Rzmax, Rp, Rt, R3z, RSm, Pc, Rk, Rpk, Rvk, Mr1, Mr2, VO, K, Rmr R, Rx, AR, W, Wx, AW, Wte
	Evaluation curves	Section profile curve, roughness curve, ISO 13565 special curve, roughness motif curve, waviness motif curve, envelope waviness curve
Filter	Cut-off method	Gaussian Filter, 2RC filter
	Cut-off value	λc: 0.08, 0.25, 0.8, 2.5 mm λs: 2.5, 8 μm
Evaluation length	Fixed mode	Cut-off value × 5
	Arbitrary mode	0.4 – 12.5 mm (Unit: 0.1 mm)
Drive speed		0.6 mm/s (return speed 1 mm/s)
Pickup	Sensing method	Differential inductance (displacement type)
	Stylus	Diamond, 90° cone, 5 μm R
	Measuring force	4 mN or less
	Skid	Sapphire, 32 mm R (trace direction)
Power source		Built-in rechargeable battery (charged with AC adapter)
Power consumption		Approx. 1 VA
Weight		Approx. 600 g
External dimensions		210 (W) × 70 (D) × 60 (H) mm
Standard accessories		Reference specimen (E-MC-S24B), rear adjustment piece (E-WJ-S64A), extension cable (E-SC-S255A), Handy case (E-MA-S35A), AC adapter, instruction manual

●Printer (option)

Name	Compact Printer II	
Model	E-RC-S25A	
Printing method	Thermal line dot	
Recording curves	Section profile curve, roughness curve, load curve, roughness motif curve, waviness motif curve, envelope waviness curve	
Recording magnification	Vertical direction (V)	×100, ×200, ×500, ×1K, ×2K, ×5K, ×10K, AUTO
	Horizontal direction (H)	×1, ×2, ×5, ×10, ×20, ×50, ×100, ×200, AUTO
Weight	Approx. 390 g	
External dimensions	140 (W) × 100 (D) × 40 (H) mm	
Accessories	Recording paper: E-CH-S25A, Connection cable: E-SC-S245A	

* Excel is a trademark of Microsoft Corporation.