

Surface Roughness Tester IPX-105

Surface roughness tester with 13 parameters.

Features

- Large range of test parameters RX, Ra, Rz, Rq, Rt, Rp, Rv, R3z, R3y, RzJIS, Rsk, Rku, Rsm, Rmr
- 128 x 64 OLED dot matrix display, digital / graphic display; highlight no perspective
- Large memory, can store 100 groups of original data and waveform
- Display information, can display all the parameters and graphics
- Compatible with ISO, DIN, ANSI, JIS national standards
- Built-in Li-ion rechargeable battery
- Working time > 20 hours of continuous work
- Automatic shutdown and power saving function
- Connected to PC and printer
- Optional reference standards, small bore tracers, measuring stand, tracer extension etc.



TECHNICAL SPECIFICATION

Measurement range	Z Axis (Vertical)	160μm
	X Axis (Horizontal)	17.5mm
Resolution	Z Axis (Vertical)	0.01μm/±20μm, 0.02μm/±40μm, 0.04μm/±80μm
Measurement item	Parameters	Ra, Rq, Rz, Rt, Rp, Rv, RS, RSm, Rz(JIS), RSk, R3z, Rmax, RPC, Rmr
	Standard	ISO, DIN, ANSI and JIS
	Graphic	Roughness profile, Material ratio curve, Direct profile
Filter		RC, PC-RC, GAUSS and D-P
Sampling length (lr)		0.25, 0.8, 2.5mm
Evaluation length (ln)		Ln=lr x n, n=1-5
Pickup	Principle	Differential inductance
	Stylus	Natural diamond, 90B cone angle, 5μm tip radius
	Force	<4mN
	Skid	Ruby, Longitudinal radius 40mm
	Traversing speed	lr=0.25, Vt=0.135mm/s lr=0.8, Vt=0.5mm/s lr=2.5, Vt=1mm/s Return Vt=1mm/s
Accuracy		Less than or equal to ±10%
Repeatability		Less than or equal to 6%
Power supply		Built-in Lithium battery, AC adapter 8.4V, 800mA
Dimensions & Weight		119mm x 47mm x 65mm, 380g

Standard Delivery

- Main unit
- Sensor
- Adjustable Support
- Calibration Block
- Charger and USB cable
- Carrying case
- Operation manual
- INSPEX certificate

Optional Accessories

- Optional reference standards
- Small bore tracers
- Measuring stand
- Tracer extension
- Dataview software