

Mitech MR200 Surface Roughness Measure Instrument



Product Description

The MR200 surfaces roughness measure instrument is suitable for shop floor use and mobile measure to need of a small handheld instrument, it operation simple, function overall, measure fast, accuracy stability, take convenience. The MR200 is capable of evaluating surface textures with a variety of parameters according to various national standards and international standard. The measurement results are displayed digitall/graphically on the LCD, and output to the printer.

Name		Content
Measuring range	Z Axis(Vertical)	160μ m
	X Axis(Horizontal)	17.5mm
Resolution		0.01μ m/± 20μ m
	Z Axis(Vertical)	0.02μ m/± 40μ m
		0.04μ m/± 80μ m
Measurement item	Parameters	Ra, Rq, Rz, Rt, Rp, Rv, RS, RSm, Rz(JIS), Ry(JIS), RSk, R3z, Rmax, Rpc, Rmr;
	Standard	ISO, ANSI, DIN, JIS
	Graphic	Roughness profile, Material ratio curve, Direct profile
Filter		RC, PC-RC, Gauss, D-P
Sampling length (l r)		0.25, 0.8, 2.5mm
Assessment length l n)		L n= l r× n n=1~5

	principle	Differential inductance
	Stylus	Natural Diamond, 90B cone angle, 5μ m tip radius
	Force	< 4mN
Pickup	Skid	Ruby, Longitudinal radius 40mm
		l r=0.25, Vt=0.135mm/s
	Traversing speed	l r=0.8, Vt=0.5mm/s
		l r=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 ion battery, AC adapter 8.4V, 800mA
L× W× H		119× 47× 65mm
Mass		approximately 380g