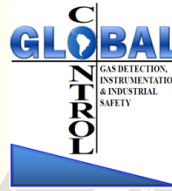


# Roughness Tester DR200



**GLOBAL CONTROL C.A.**  
 Av. Bolivar Norte C.C. Camoruco  
 Piso 15 Ofic 15-8 Valencia  
 Telf. 0241-8244157 /8212318  
 email: [info@globalcontrol.com.ve](mailto:info@globalcontrol.com.ve)  
[www.globalcontrol.com.ve](http://www.globalcontrol.com.ve)

## Features

- 15 parameters: Ra, Rq, Rz, Rt, Rp, Rv, RS, RSm, Rz(JIS), Ry(JIS), RSk, R3z, Rmax, Rpc, Rmr
- Four filtering methods of RC, PC-RC, GAUSS and D-P
- Compatible with four standards of ISO, DIN, ANSI and JIS
- Can store 15 sets of measurements results
- 128 × 64 dot matrix LCD displays all parameters and graphs
- Can be connected to printer to print all parameters and graphs
- USB interface enables communication with PC

## 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), 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 (lr)		0.25, 0.8, 2.5mm
Assessment length (ln)		Ln=lr × 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=0.8, 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 ion battery, AC adapter 8.4V, 800mA
Dimensions & Weight		119mm × 47mm × 65mm, 380g

## Standard Delivery

- Main Unit
- Protection Cover
- Roughness Test Plate Ra
- Standard Probe
- Software
- Certificate
- Carrying case
- Operation manual

## Optional Accessories

- Transverse Chisel Probe
- Parallel chisel probe
- Small bore probe
- Groove bottom probe