

DGC[®] Roughness Tester DR220



Features:

1. Electromechanical integration design, small volume, light weight, easy to use;
2. Using DSP chip to control and data processing, high speed, low power consumption;
3. Large range, parameters RX, Ra, Rz, Rq, Rt, Rp, Rv, R3z, R3y, RzJIS, Rsk, Rku, Rsm, Rmr;
4. 128 x 64 OLED dot matrix display, digital / graphic display; highlight no perspective;
5. Display information rich, intuitive, can display all the parameters and graphics;
6. Compatible with ISO, DIN, ANSI, JIS national standards;
7. Built-in lithium ion rechargeable battery and a charging control circuit, high capacity, no memory effect;
8. Residual quantity indicator icon, prompting the user to charge;
9. Display of the charging process instructions, the operator can understand the degree of charge
10. Working time more than 20 hours of continuous work
11. Large capacity data memory, can store 100 groups of original data and waveform.
12. Real-time clock settings and display, convenient data recording and storage
13. With automatic dormancy, automatic shutdown and power saving function
14. Reliable control motor to go dead circuit and software design
15. Measurement information display, menu prompt information, false information and switch machine and other tips that information;
16. Full metal shell design, sturdy, compact, portable, high reliability.
17. Can be in English freely switch
18. Can be connected to a computer and printer;
19. Optional sensor surface, hole sensor, measuring platform, sensor, an extension rod and other accessories.

Technical Specification:

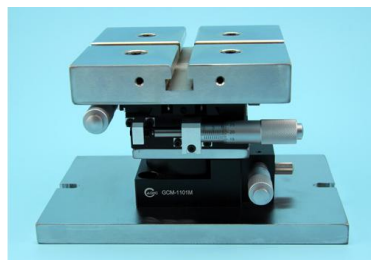
Roughness Parameters	Ra,Rz,Rz(JIS),Rq,Rt,Rp,Rmax,Rv,R3z, Rs, RSm, RSk, Rmr, Rpc
Standard	ISO,ANSI,DIN,JIS
Assessed Profiles	Roughness profile, Material ratio profile, direct Profile
Measuring Range	The X axis(Horizontal): 17.5mm; The Z axis(Vertical): 160 μm
The Max./Min. driving trip	17.5mm / 0.75mm
Resolution (Horizontal)	0.01μm/±20μm, 0.02μm/±40μm, 0.04μm/±80μm,
Filter	RC, PC-RC, Gauss, D-P
Sample length (lr)	0.25mm, 0.8mm, 2.5mm
Internal storage capacity	100 groups of original data
Evaluation length(ln)	$L_n = l_r \times n$ $n=1-5$
Pick up	Inductive, Diamond stylus with Radius 5 μm and angle 90°
Tolerance	±10%
Repeatability	≤6%
Output	USB
Power	Li-ion Battery rechargeable, work more than 20 hours
Dimensions	143 x 55 x 42mm
Weight	400g

Optional Accessories

Pick up for Special application
Measuring Platform
Magnetic stand
Mini-Printer

**Standard Pickup TS100****Pickup for small hole TS120****Standard Delivery**

Main Unit
Standard Pickup
Specimen
Charger
Software
Steel Support
Screwdriver
Instruction manual
Calibration Certificate
Warranty card
Suit Case

**Measuring Platform****Magnetic Platform****Leaving table****Mini printer**

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