

## JITAI8100 Surface Roughness Tester

### Standard Configuration

Host	1	Operating manual	1
Calibration block and bracket	1	Warranty card	1
Charger	1	Certificate of product	1
Data cable	1	Instrument case	1



### Introduction

JITAI8100 is a new generation of Surface Roughness Tester Series. It features high accuracy, wide application, simple operation, portability and stable performance. The tester is widely used in measuring the surface roughness of various metals and non-metals. Its integrated structure of sensor and main body and hand-held design make it suitable to be used in production sites.

### Features

- Shell used to pull aluminum mold design, durable, anti-electromagnetic interference ability significantly, in line with the design of the new trend
- Using high-speed DSP processor for data processing and calculation, measurement and computation speed is greatly improved
- Liquid crystal display wide temperature using OLED color display, popular high brightness, no visual angle, is suitable for various occasions
- The lithium ion rechargeable battery, can work for a long time, no memory effect, can while charging, charging time is short, long battery life
- Automatic shutdown function and low power design of software and hardware of the instrument with long working hours, suitable for field use
- The surface roughness of metal and non-metallic.
- Pocket-size & economically price
- Large measuring range suitable for most materials
- Optimized electric circuit design with transducer structure-design, high integrate power
- It could test ex-circle, flat surface, conical surface and also test groove larger than 80\*30mm

- Using a dedicated charger or computer USB port for charging, convenient and quick

### Technical Specification

Model	JITAI8100
Testing parameters	Ra, Rz, Rq, Rt
Measuring range (um)	Ra, Rq: 0.05-15.0 Rz, Rt: 0.1-50.0
Sample length (mm)	0.25, 0.80, 2.50
Evaluation length(mm)	1.25, 4.0, 5.0
Stroke length (mm)	6
Indication accuracy	0.01
Indication error	±(7-10)%
Variability	<12%
Power	Rechargeable li-battery
Stylus static force:	≤ 0.016N
Force measuring rate of change	≤ 800N/m
Working temperature	-20°C ~ 40°C
Relative humidity	<90%
Weight of Host	200g
Size	106mm x70mm x 24mm

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