

Mdt310 Surface Roughness Tester



Product Description

Testing Stably
Li battery power
Easy to operate
Integrated design

Introduction

MDT310 has the features of high accuracy, wide measuring range, easy to operate, portable, working stably features. It is widely used at inspecting the processing surface of many kinds of metals and non-metal.

Features

Optimized electric circuit design with transducer structure design, high integrate power, driver and display. Select freely with Ra, Rz, Rq, Rt parameters. It could test excircle, flat surface, conical surface and also test groove with length and width larger than 80*30mm.

Functions

Metal case, stronger and anti-electromagnetic interference
Adapts high speed DSP processor to get fast reaction
OLED color display, high light, no visual angle and wide temperature, could be used at each workplace
Li rechargeable battery, which could continuously work for long time and long life
USB port for connecting with PC or charging
LCD display to provide more information
Battery power shown
Auto power off and low power consumption design
Transducer has production gate to guarantee the accuracy of testing

Specifications

Testing parameters(μM): Ra\Rz\Rq\Rt
Stroke length(mm): 6
Sample length(mm): 0.25, 0.80, 2.50
Evaluation length(mm): 1.25, 4.0
Measuring range(μM):
Ra: 0.05 ~ 10.0
Rz: 0.1 ~ 50
Error: $\pm 15\%$
Variability: $<12\%$
Transducer contacting pin round diameter and angle:
Contacting pin round diameter: $10\ \mu\text{M} \pm 1\ \mu\text{M}$
Degree:
Battery: 3.7V Li
Size: 106 mm \times 70 mm \times 24 mm
Weight: 200g
Working conditions:
Temperature: -20DC~40DC
Relative humidity: $< 90\%$
No shake and corrosivity around
Standard package