# SK2R

# SURFACE ROUGHNESS MEASURING INSTRUMENT


- ✧ Testing Stably
- ✧ Li battery power
- ✧ Easy to operate
- ✧ Integrated transducer design

## Introduction

SK2R 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: ±15%

◆Variability: ＜12%

◆Transducer contacting pin round diameter and angle:

Contacting pin round diameter: 10 μm±1 μm

Degree: $90^{0}{}^{+5^{0}}_{-10^{0}}$

◆Battery: 3.7V Li

◆Size: 106 mm×70 mm×24 mm

◆Weight：200g

◆Working conditions:

Temperature：　-20℃～40℃

Relative humidity：　＜ 90%

No shake and corrosivity around

## Standard package

| Item | Name | QTY |
|---|---|---|
| 1 | Main Unit | 1 |
| 2 | Transducer | 1 |
| 3 | Battery | 1 |
| 4 | Charger | 1 |
| 5 | Standard test block | 1 |