ET52X Series Handheld DC Low Resistance Testers

ET520 / ET521 / ET522 / ET523 — Handheld, Four-Terminal



OVERVIEW

The ET52X series handheld DC low resistance testers are high-accuracy, wide-range portable instruments with a built-in lithium battery, so precise measurements of passive components can be made anywhere. A 3.5-inch TFT LCD makes readings easy to take. They measure DC low and medium resistance of all kinds: transformer and other winding resistance, relay and other contact resistance, cable and conductor resistance, bonding resistance between metal parts, fuses, conductive rubber and similar DC resistances.

FEATURES

- 3.5-inch TFT LCD, 480 × 320 resolution; Chinese / English display
- Minimum resolution 10 μΩ
- Upper / lower limit comparator measurement — pass or fail judged on the spot
- Built-in rechargeable lithium battery for long service life
- Stored data can be saved, deleted and read out via serial commands
- When the battery voltage falls below 3.2 V, the instrument prompts for charging and switches off

TECHNICAL SPECIFICATIONS

Item	ET520	ET521	ET522	ET523
Measurement range	10 μΩ – 5 kΩ	10 μΩ – 20 kΩ	10 μΩ – 200 kΩ	10 μΩ – 2 MΩ
Basic accuracy	0.1 % ± 3 counts			
Minimum resolution	10 μΩ			
	100 mA			

Item	ET520	ET521	ET522	ET523
Maximum test current				
Display mode	Direct reading or percentage			
Sorting function	Pass / fail judgement of the device under test			
Trigger mode	Single / continuous			
Test terminals	Four-terminal measurement			
Ranging	Auto / manual			
Open-circuit voltage	< 5 V			

GENERAL SPECIFICATIONS

Power supply	Built-in rechargeable battery, or 5 V / 1 A adapter (charging)
Display	3.5-inch TFT LCD, 480 × 320
Operating environment	5–40 °C, relative humidity ≤ 80 %
Interface	USB Type-C
Dimensions	210 × 110 × 34 mm (L × W × H)

STANDARD ACCESSORIES

- Test leads × 1
- USB Type-C charging / data cable × 1
- 5 V / 1 A charging adapter × 1
- User manual × 1
- Certificate × 1