

DATA SHEET

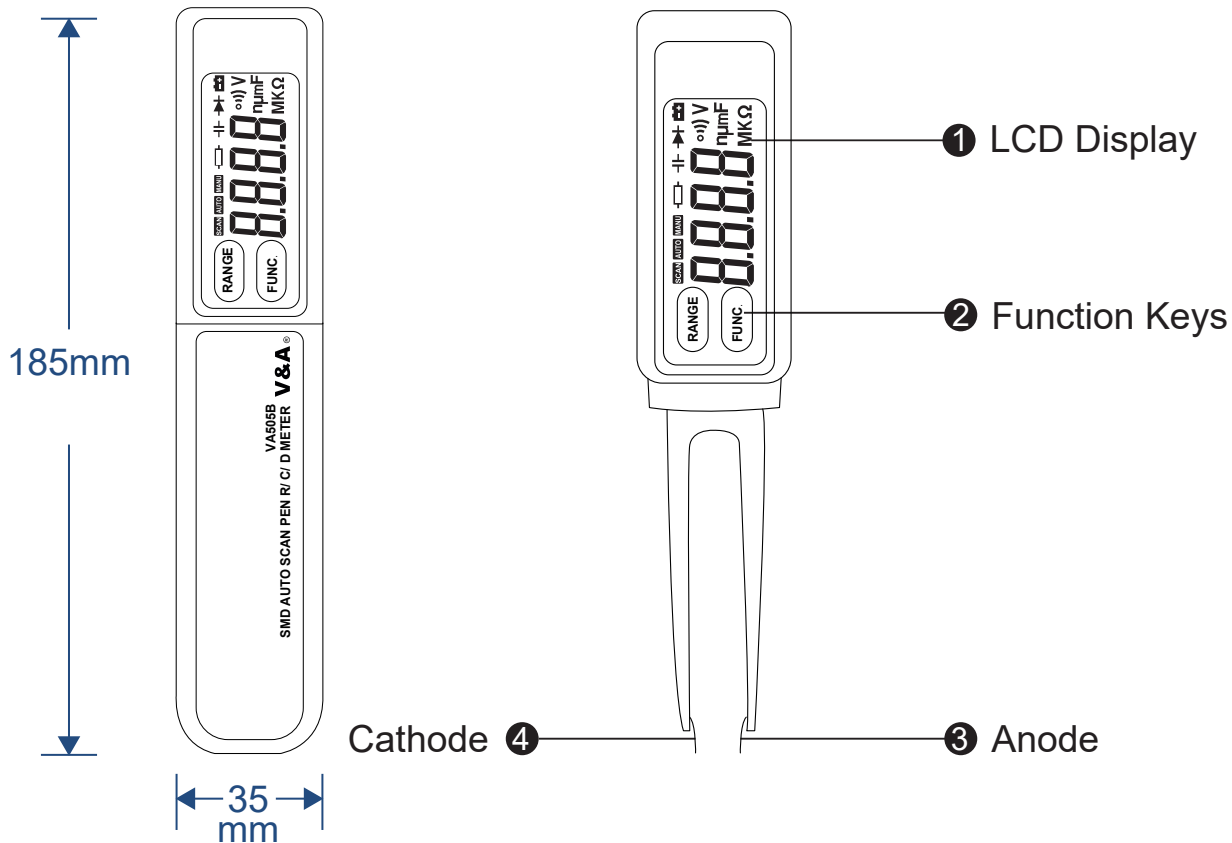
PEN R/C/D METER FOR SMD VA503/VA505A/VA505B

PRODUCT HIGHLIGHTS

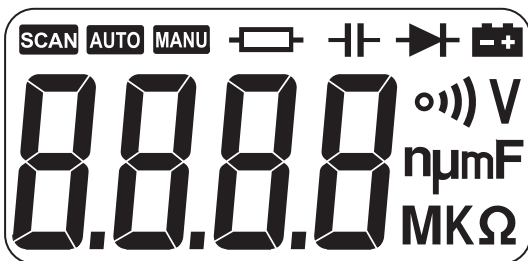


- Resistance Measurement up to 60M Ω (Model Dependent)
- Capacitance Measurement up to 60mF (Model Dependent)
- Auto Scan Mode (Model Dependent)
- Continuity Test (Model Dependent)
- Diode Test
- Low Battery Indication
- Auto Power Off
- Battery 1.5V (AG13 or LR44) x 2

1. PANEL AND CONSTRUCTURE



2. LCD AND SYMBOL



- Display: 7-segment characters LCD
- Number of digits:
VA503: 3 ³/₄ /3999 steps
VA505A: 2 ²/₃ /2999 steps
VA505B: 5 ⁵/₆ /5999 steps
- Overflow display: "OL" is displayed
- Sample rate: 3 times/sec for digital data

3. PEN R/C/D METER FOR SMD SELECTION GUIDE

	VA503	VA505A	VA505B
Resistance	400Ω/4kΩ/40kΩ 400kΩ/40MΩ/ 400MΩ±(1.2%+2)	300Ω/3kΩ/30kΩ/ 300kΩ/3MΩ/ 30MΩ±(1.0%+5)	600Ω/6kΩ/60kΩ/ 600kΩ/6MΩ/ 60MΩ±(1.0%+5)
Capacitance	4nF±(5.0%+5)/40nF 400nF/4μF/40μF 100μF±(3.0%+3)	3nF/30nF/300nF 3μF/300μF/3mF 30mF±(3.0%+5)	6nF/60nF/600nF/ 6μF/60μF/600μF/ 6mF/60mF±(3.0%+5)
Auto Scan Mode	-	0~3MΩ/400pF~300μF ±(1.0%+5)	0~6MΩ/400pF~600μF ±(3.0%+5)
Max. Display	3999	2999	5999
Continuity Test	-	•	•
Diode Test	•	•	•
Auto Power Off	•	•	•
Low Battery Indication	•	•	•
Power	1.5V battery (AG13 or LR44) x2		
Size	185 x 35 x 21 mm		
Weight	~70g (without battery)		

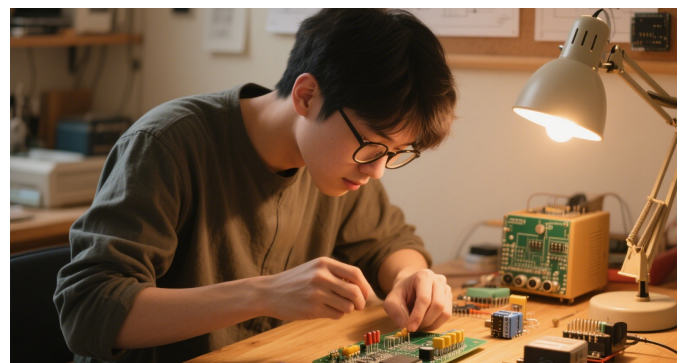
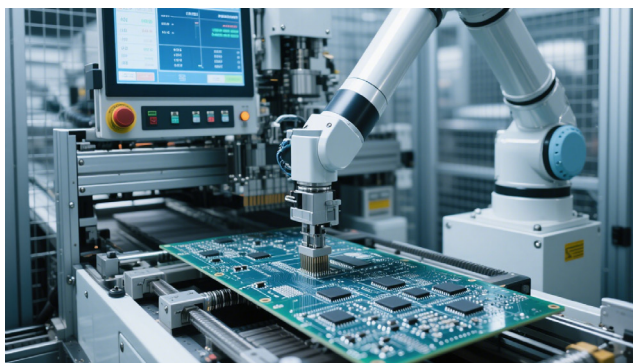
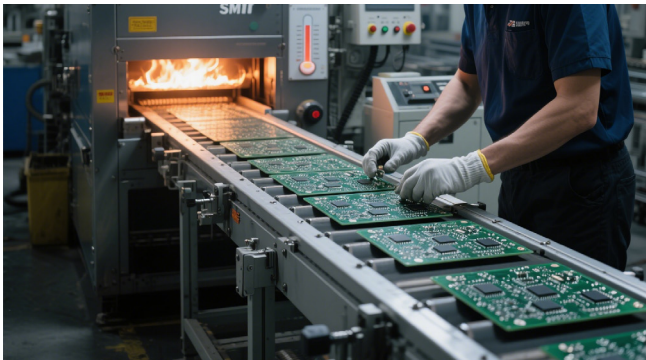
4. GENERAL SPECIFICATIONS

Function	Value
Pollution degree	2
Operating altitude	< 2000 m
Operating temperature/humidity	0°C~40°C, 32°F~104°F (<80% RH, <10°C non-condensing)
Storage temperature/humidity	-10°C~60°C, 14°F~140°F (<80% RH, battery removed)
Temperature coefficient	0.1 x (specified accuracy)/°C (<18°C or >28°C)
MAX. voltage between terminals and earth ground	50V DC or 36V AC rms
Low battery indicator	The "E+" is displayed when the battery is under the proper operation range
Power supply	1.5V (AG13 or LR44) x 2
Dimension/weight	185(L) x 35(W) x 21(H) mm/Approx 70g (without battery)

5. SCOPE OF SUPPLY

Model Number	Scope of Supply	Quantity
VA503/VA505A/VA505B	Pen R/C/D Meter	1 Piece
	User Manual	1 Piece
	Battery 1.5V (AG13 or LR44)	2 Pieces
	Box	1 Piece

6. APPLICATIONS



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