

# INSULATION RESISTANCE METER

CKT688 INSULATION RESISTANCE METER

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## INTERFACE:

- USB
- RS-232/485
- HANDLER

## BRIEF INTRODUCTION

CKT688 adopts 4.3 inches true color IPS display shows the test value, programmable and adjustable, with test speed: 12 times/sec; dual display of resistance and leakage current, CKT688 is programmable sequential test mode, having 4-level comparator function of 3-bin GD and one NG. Equipped with HADLER/RS232C/USB/RS485 interface for remote control. U disk records test data and can remotely upgrade instrument firmware. With optional foot switch trigger function. CKT688 is widely used for high-value resistance; capacitor insulation resistance and leakage; various insulating materials and wire and cable equipment, etc.

## FEATURES:

- 4.3 inches true color IPS display
- Open-circuit clear zero for all ranges
- 5 groups inside the instrument or external U disk
- Dual display of resistance and leakage current

## SPECIFICATION:

SPECIFICATIONS	
CKT688 Insulation Resistance Meter	
Parameter	Insulation Resistance, Micro current
Output Voltage	0.5V ~ 1000VDC (0.1V step NC)
Basic Accuracy	$V > 10V: \pm 0.25\%$ , $V \leq 10V: \pm 1\% \pm 0.5V$
IR Test Range	10k $\Omega$ ~10T $\Omega$
Basic Accuracy	$I > 10nA: \pm 2\%$ , $I < 10nA: \pm 5\%$ , $I < 1nA: \pm 10\%$
Current Test Range	10pA ~ 1mA
Basic Accuracy	$I > 10nA: \pm 2\%$ , $I < 10nA: \pm 5\%$ , $I < 1nA: \pm 10\%$
Test Speed	Fast: single measurement time $\leq 45ms$ , Slow: single measurement time $\leq 85ms$
Charging Test Time	Charging time: 0~999S, programmable Test time: 0~999S, programmable
Range	Auto/Hold range
Setup Save	5 groups inside the instrument or external U disk
Trigger Mode	Internal trigger, external trigger, BUS trigger, foot switch
Signal Output	PASS1/PASS2/PASS3/FAIL
Beep	GD/NG/OFF
Limit setting mode	3 bins; absolute value upper/lower limit or only unilateral judgment
Clear Zero	Open-circuit clear zero for all ranges
Interface	USB HOST/USB DEVICE / RS232 / HANDLER / RS485
Others	Temperature: 0°C~40°C; Humidity: $\leq 90\%RH$ , no condensation
GENERAL FEATURES	
Power Supply	Voltage: 198V ~ 242V AC, Frequency: 47Hz~63Hz
Size and Weight	361mm(L) x 107mm (W) x 264 mm (H) ; Weight: Approx. 4.6KG
ORDERING INFORMATION	
Accessories	Three-terminal Test Clip
	USB Communication cable
	RS232 Communication cable
	Handler Connector
Optional	AC Power Cord

## STANDARD ACCESSORIES



Three-terminal Test Clip



USB Communication cable



RS232 Communication cable



Handler Connector



AC Power Cord



**CKT**

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