

TS003

KPU Physics Combination Voltmeter – Ammeter

(digital)

The TS003 is constructed in-house at KPU Physics, using OEM digital meters with the specifications as shown in the following pages. The voltmeter uses a blue LED display and the ammeter uses a red LED display.



Voltmeter

Technical Parameters:

- Power supply: AC100-240V
- Consumption: <0.5W
- Test voltage: DC200mV/2V/20V/200V/600V/1000V
- Dimension: 79*43*25 mm
- Mounting hole: 76*39.5mm
- Display mode: 0.56 "LED with red/blue digits
- Measurement accuracy: 0.1% (± 2 digits)
- Measuring speed: ≥ 2 times/S

Specification:

Voltage	Measuring Range	Resolution	Impedance
DC200mV	$\pm 0 \sim 199.99mV$	0.01mV	$\geq 10K\Omega$
DC2V	$\pm 0 \sim 1.9999V$	0.0001V	$\geq 100K\Omega$
DC20V	$\pm 0 \sim 19.999V$	0.001V	$\geq 1M\Omega$
DC200V	$\pm 0 \sim 199.99V$	0.01V	$\geq 1M\Omega$
DC600V	$\pm 0 \sim 600.0V$	0.1V	$\geq 3M\Omega$
DC1000V	$\pm 0 \sim 1000.0V$	0.1V	$\geq 3M\Omega$

Features:

- The forward and backward voltage can be measured.
- SMT technology, consistency is very good.
- The crystal of the meter is quartz crystal with high precision and high stability.
- The LED digital tube display part, with all the limited current resistance, will be not appeared "the bright and dark inconsistency".
- Full-closed shell type, with a backcover, safe, dustproof and beautiful.
- Universal wide supply voltage: AC100-240V.

Working conditions:

- Operating temperature: $-10 \sim +50$ °C
- Working humidity: 10 ~ 80% (no condensation)
- Working pressure: 80 ~ 106kPa
- Sun exposure: no direct exposure

Ammeter

Technical Parameters:

- Power supply: AC100-240V
- Power consumption: <0.5W
- Test current: DC200uA/2mA/20mA/200mA/2A/5A/10A/
20A/30A/50A/100A/200A/300A/500A/1000A
- Dimension: 79*43*25 mm
- Mounting hole: 76*39.5mm
- Display mode: 0.56 "LED with red/blue digits
- Measurement accuracy: 0.1% (± 2 digits)
- Measuring speed: ≥ 2 times/S

Specification:

Current	Measuring Range	Resolution	Impedance
DC200uA	$\pm 0-199.99 \mu\text{A}$	0.01uA	1KΩ
DC2mA	$\pm 0-1.9999 \text{ mA}$	0.0001mA	100Ω
DC20mA	$\pm 0-19.999 \text{ mA}$	0.001mA	10Ω
DC200mA	$\pm 0-199.99 \text{ mA}$	0.01mA	1Ω
DC2A	$\pm 0-1.9999 \text{ A}$	0.0001A	0.1Ω
DC5A	$\pm 0-5.000 \text{ A}$	0.001A	0.01 Ω
DC10A	$\pm 0-10.000 \text{ A}$	0.001A	0.01Ω

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