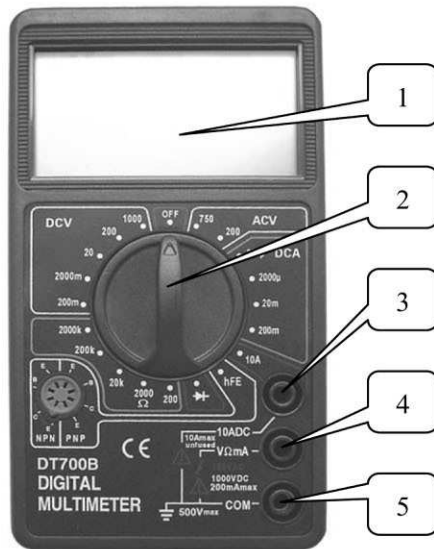


General

These series instruments are a series of compact pocket-sized 3 1/2 digital multimeters for measuring DC and AC Voltage, DC Current, Resistance and Diode. Some of those also provide Temperature, Transistor measurement and audible continuity test function or can be used as a signal generator (see table). Full range overload protection and low battery voltage indication are provided. They are ideal instruments for use in fields, such as laboratory, workshop, DIYer and home applications.

Multimeters Function Table

Model	DCV	ACV	DCA	OHM	hFE	hFE	T
700B	✓	✓	✓	✓	✓	✓	
700C	✓	✓	✓	✓	✓	✓	✓
700D	✓	✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓	✓	
	✓	✓	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓	✓	



FRONT PANEL DESCRIPTION

- DISPLAY**
3 1/2 digit, 7 segment, Large LCD(27×60mm).
- FUNCTION AND RANGE SWITCH**
This switch is used to select the function and desired range as well as to turn on the instrument.
To extend the life of this battery, the switch should be in the "OFF" position when the instrument is not in use.
- "10A" JACK**
Plug in connector to red (positive) test lead for 10A measurement.
- "VΩmA" JACK**
Plug in connector for red (Positive) test lead for all voltage and resistance and current (except 10A) measurements.
- "COM" JACK**
Plug in connector for black (negative) test lead.

SPECIFICATIONS

Accuracies are guaranteed for 1 year, 23°C ± 5°C, less than 80%RH

DC VOLTAGE

RANGE	RESOLUTION	ACCURACY
200mV	100uV	± (0.5% + 3)
2000mV	1mV	± (1.0% + 5)
20V	10mV	± (1.0% + 5)
200V	100mV	± (1.0% + 5)
1000V	1V	± (1.2% + 5)

OVERLOAD PROTECTION: 220V rms AC for 200mV range and 1000V DC or 750V rms for all ranges.

AC VOLTAGE

RANGE	RESOLUTION	ACCURACY
200V	100mV	± 1.2% of rdg ± 10D
750V	1V	

RESPONSE: Average responding, calibrated in rms of a sine wave.
FREQUENCY RANGE: 45Hz ~ 450Hz
OVERLOAD PROTECTION: 1000V DC or 750V rms for all ranges.

AUDIBLE CONTINUITY

RANGE	DESCRIPTION
⎓	Built-in buzzer sounds if resistance is less than 30 ± 20Ω

OVERLOAD PROTECTION: 15 second maximum 220 V rms.

DC CURRENT

RANGE	RESOLUTION	ACCURACY
200uA	100nA	± 1% of rdg ± 3D
2000uA	1uA	± 1% of rdg ± 3D
20mA	10uA	± 1% of rdg ± 3D
200mA	100uA	± 1.5% of rdg ± 5D
10A	10mA	± 2% of rdg ± 10D

OVERLOAD PROTECTION: 500mA 250V fuse (10A range unfused).
MEASURING VOLTAGE DROP: 200mV

RESISTANCE

RANGE	RESOLUTION	ACCURACY
200Ω	100mΩ	± 1.0% of rdg ± 10D
2000Ω	1Ω	± 1.0% of rdg ± 2D
20KΩ	10Ω	± 1.0% of rdg ± 2D
200KΩ	100Ω	± 1.0% of rdg ± 2D
2000KΩ	1KΩ	± 1.0% of rdg ± 2D

MAXIMUM OPEN CIRCUIT VOLTAGE: 3.2V.
OVERLOAD PROTECTION: 15 seconds maximum 220Vrms.

TEMPERATURE (K TYPE PROBE)