

Handheld Digital Multi Meter **TY500 Series**

Provides Safety Levels Demanded in Field Work



Features

- 6000 counts
- High accuracy: 0.09% rdg (DCV range)
- Supports EN61010-1 1000 V CAT III and 600 V CAT IV
- Can measure AC/DC current with the AC/DC clamp-on probe (sold separately) in the sensor mode
- Includes data memory for logging (up to 1600 data) (only TY530)
- Current terminal shutter for preventing incorrect connections
- Various measurement functions
 - Filter on/off function
 - Maximum, minimum and average value display (only TY530)

Specifications

*Accuracy: \pm (% of reading + minimum number of digits)

Model		TY530		TY520
Detection method		RMS/MEAN (switching)		RMS
Item	Range	Accuracy		
DC voltage	600 mV/6 V/60 V/600 V	0.09 + 2		
	1000 V	0.15 + 2		
AC voltage	600 mV/6 V/60 V/600 V	500 to 1 kHz	40 to 500 Hz	50/60 Hz
	1000 V	1.5 + 5	1 + 5	0.5 + 5
		—		
DC current	600 μ A/6000 μ A/60 mA	0.2 + 2		
	600 mA/6 A/10 A	0.5 + 5		
AC current	600 μ A/6000 μ A/60 mA/600 mA/6 A/10 A	40 to 1 kHz	50/60 Hz	
		1.5 + 5	0.75 + 5	
Resistance	600 Ω /6 k Ω /60 k Ω /600 k Ω	0.4 + 1		
	6 M Ω	0.5 + 1		
	60 M Ω	Less than 0-40 M Ω		
Frequency	10 to 99.99 kHz	0.02 + 1		
Capacitance	1 nF	2 + 10		
	100 nF/1 μ F/10 μ F	2 + 5		
	100 μ F/1000 μ F	3 + 5		
Continuity check	600 Ω	Buzzer is turned on when 50 \pm 30 Ω or less		
Diode test	2 V	1 + 2		
Temperature	-50 to 600:	2 + 2°C		
Other measurements		On/off switching of low path filter, RMS/MEAN value switching (only TY530)		
Additional functions		Data hold/auto hold/range hold/deviation percentage (%) calculation/auto power off/back light/sensor function (scaling function)		
		Functions included only in TY530: maximum, minimum and average value display, communication function, memory function, logging memory (up to 1600 data)		
Applicable standards		Safety standard: EN61010-1, EN61010-031, 1000 V CAT III, 600 V CAT IV pollution level 2 EMC standard: EN61326-1 ClassB, EN55022 ClassB Group 1		
Display		3.5-digit LCD (digital display: 6,000 counts, dual/bar graph display: 31 segments)		
Measurement cycle		5 times/second (digital display), 25 times/second (bar graph display)		
Power source and battery life		4 alkaline AA batteries/approx. 300 hours (when direct voltage is measured and alkaline AA batteries are used.)		
External dimensions and weight		Approx. 90 (W) \times 192 (H) \times 49 (D) mm/approx. 570 g (including batteries)		
Accessories		Instruction manual/4 alkaline AA batteries/a set of test lead		

DMM of dedicated application software **92015**

DMM's and you can easily manage the data in memory.

Is also capable of real-time communications



Features

- Data saved in the internal memory PC transfer is possible (Save memories or Logging Memories)
- DMM measurements show in real time monitor display is possible.
- Large amounts of data not covered by the internal memory PC communication with data transfer is possible. At the same time Excel transferable is also.
- Measurement data to Excel direct deployment is possible. Automatically creates a chart sheet.

92015 product specification:

Communication cable

Communications cable: infrared communication adapter + communications cable (USB specifications) 2 m length

Interface standards: USB specification conforms to the 1.1

Available models : TY710, TY720, TY530, CA450

Application software

Operating environment of the personal computer

OS: Windows 7 / 8 / 10

Excel: since the Excel2016

Software: CD, communication cable (including adapter), User's manual