

YF-3700A Digital Multimeter

is designed and built according to the EMC Directive standards EN 0081-1, EN 50082-1, EN 55011, IEC 801-2/-3 and comply with BSEN 61010-1 / IEC 1010-1. Probe Kit comply with IEC1010-2-31.



FUNCTIONS

- Auto power off (30 minutes)
- Function keys: Data Hold, REL, MEM, READ, MIN./MAX., RESET, PWR ON, RANGE.
- Test Ranges: ACV, DCV, ACA, DCA, Resistance, Frequency, Diode, Capacitance, Continuity.

SAMPLING SPEED

- Sampling rate: 2 times per second for digital display. 1 time per second for Capacitance test. 20 times per second for Bargraph.

ACCESSORIES

- User's manual • Holster
- Test leads • 1.5V battery x 2pcs

POWER SUPPLY

- Battery type: 1.5V "AA" or UM-3 x 2pcs
- Battery life: 100 hours approx.

DIMENSION:

- Size: 186 x 86 x 39mm (L x W x H)
- Weight: About 825g. (including battery)

DISPLAY

- 3 3/4 digits LCD with maximum reading of 3999
- High speed bargraph
- Automatic polarity, "-" display for negative input.
- Overload indication: "4" or "-4" flash with continuous buzz.
- Low battery indication: Replace battery as LCD display "BATT".

SPECIFICATION

Accuracy: $\pm (\dots\%rdg + \dots\dgt)$ at $23^{\circ}\text{C} \pm 5^{\circ}\text{C}$, below 80% RH.

	Range	Resolution	Accuracy	Input impedance	Overload protection	
DCV	400mV	0.1mV	$\pm (0.5\%rdg + 1dgt)$	100M Ω	DC1000V	
	4V	1mV		11M Ω		
	40V	10mV		10M Ω		
	400V	100mV				
	1000V	1V	$\pm (0.5\%rdg + 2dgt)$			
ACV	400mV	0.1mV	$\pm (1.0\%rdg + 4dgt)$	100M Ω	AC1000V	
	4V	1mV	$\pm (1.0\%rdg + 3dgt)$	11M Ω		
	40V	10mV		10M Ω		
	400V	100mV				
	750V	1V	$\pm (1.2\%rdg + 4dgt)$			
DCA	4mA	0.001mA	$\pm (0.8\%rdg + 1dgt)$	<0.7V	0.5A/250V Fuse	
	40mA	0.01mA				
	400mA	0.1mA	$\pm (1\%rdg + 1dgt)$	<2V		
	10A	10mA	$\pm (2\% + 1)$			
ACA	4mA	0.001mA	$\pm (1.2\%rdg + 4dgt)$	<0.7V	0.5A/250V Fuse	
	40mA	0.01mA				
	400mA	0.1mA	$\pm (2\% + 1)$	<2V		
	10A	10mA				
Resistance	400 Ω	100m Ω	$\pm (0.8\% + 5)$	>0.4V	DC/AC 500V	
	4K Ω	1 Ω				
	40K Ω	10 Ω	$\pm (0.8\% + 1)$			
	400K Ω	100 Ω				
	4M Ω	1K Ω				
	40M Ω	10K Ω				$\pm (3\% + 2)$
Frequency	100Hz	0.01Hz	$\pm (0.5\% + 1)$	5Vrms	AC/DC 500V rms	
	1KHz	0.1Hz				
	10KHz	1Hz				
	100KHz	10Hz				
	500KHz	100Hz				
Capacitance	4nF	1pF	$\pm (3\% + 10)$	1V	AC/DC 500V	
	40nF	10pF				
	400nF	100pF				
	4 μ F	1nF				
	30 μ F	10nF				
Diode test	Range	Resolution	Accuracy	Test current	Open-circuit voltage	Overload protection
	DC4V	1mV	2%	0.7mA	3V	DC/AC 500V
Continuity test	Range	Resolution	Sound level	Open-circuit voltage	Overload protection	
	400 Ω	0.1 Ω	Below 40 Ω	Max. 3.3V	DC/AC 500V	