

True RMS (AT-9950T)



EMC & LVD
EN: 61326
EN: 61010-1,
EN: 61010-02-031

AT-9950DIS/9950T/AT-950A/950B are very versatile automotive meters and can be used for many different diagnostic works on car and truck. Many functions are offered for your choice.

- AT-9950DIS/9950T: RPM (RPM 2 Stroke or 4 Stroke mode active) measurements for automotive engines with the Inductive Pickup
- AT-950B: RPM measurement for automotive engines with the inductive Pickup
- AT-950A: RPM measurements for automotive engines with the test leads
- Read pulse duty cycle and dwell angle for electronic fuel injection feedback carburetors and ignition

Features	9950DIS/9950T	950A	950B
Digital display counts	3200 with Analog Bargraph	2000	2000
AC True RMS	9950T		
Auto ranging	*		
Manual ranging		*	*
Overload protection on all ranges	*	*	*
Data Hold	*		
Low battery indication	*	*	*
Inductive Pick-up	*		*

Specifications				9950DIS/9950T	950A	950B
Function	Max. Range	Resolution	Basic Accuracy			
Voltage DC	600V	0.1mV	±(0.5%+2d)		*	*
	1000V	0.1mV	±(0.5%+2d)	*		
Voltage AC	750V	1mV	±(1.0%+2d)	*		
Current DC	10A	0.1uA	±(1.5%+2d)	*	*	*
Current AC	10A	0.1uA	±(1.5%+2d)	*		
Resistance	32MΩ	0.1Ω	±(2.0%+3d)	32M	20M	20M
RPM (Tach)	12,000RPM	1RPM	±(2.0%+5d)	*	10,000RPM	*
Dwell Angle	2~10CYL	0.1°	±(1.2%+2d)	*	*	*
Frequency	32kHz	0.1Hz	±(1.2%+2d)	*		
Duty Cycle	0.1%~99.9%	0.1%	±(1.2%+2d)	*		
Temperature	760°C/1400°F	0.1°C/°F	±(3.0%+3d)	*		
Diode Test				*	*	*
Continuity Check				*	*	*

Size(HxWxD): AT-9950DIS/9950T : 189mm x 91mm x 31.5mm
AT-950A/AT-950B : 209mm x 43mm x 30mm

Weight: AT-9950DIS/9950T : 280g
AT-950A/AT-950B : 200g

Accessories:
9V Battery, Rubber holster and Inductive pick-up(except AT-950A)

True RMS (AT-9945T)

Large LCD display



Automotive Digital Multimeter provides multi-functions:

- RPM measurement for automotive engines with 2 to 10 Cylinders using the inductive Pick-up
- AT-9945T is True RMS Autoranging Automotive DMM
- Oversized high contrast 4000 counts LCD display with backlight
- 13 Functions including DCV, ACV, DCA, ACA, Resistance, RPM (Tach), Dwell angle, Duty cycle, Frequency, Temperature (°C/°F), Capacitance, Continuity and Diode Check
- Read pulse duty cycle and dwell angle for electronic fuel injection feedback carburetors, and ignition
- Data Hold and Relative functions
- Over-range indication
- Auto Power Off
- Fused current inputs and Overload protection on all ranges
- AT-9945/9945T measures Milliseconds pulse width to test on-time of fuel injectors, idle air control motors, and electronic transmission controls



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Function	Range	Basic Accuracy
Voltage DC	400mV, 4V, 40V, 400V, 1000V	±(0.5%+2d)
Voltage AC	400mV, 4V, 40V, 400V, 700V	±(0.8%+4d)
Current DC	400uA, 4000uA, 40mA, 400mA, 4A, 20A	±(1.2%+2d)
Current AC	400uA, 4000uA, 40mA, 400mA, 4A, 20A	±(1.5%+4d)
Resistance	400Ω, 4kΩ, 40kΩ, 400kΩ, 4MΩ, 40MΩ	±(0.8%+3d)
RPM(Tach)	600 ~ 4000RPM; 600 ~ 12000RPM(x 10RPM)	±(2.0%+2d)
Dwell Angle	4, 5, 6, 8CYL	±(2.5%+2d)
Duty Cycle	0.1~99.9%	±(1.5%+2d)
Frequency	0.001Hz~9.99MHz	±(2.0%+2d)
Temperature	-20°C ~ 760°C/-4°F ~ 1400°F	±(3.0%+2d)
Capacitance	40nF, 400nF, 4uF, 40uF, 100uF	±(3.0%+2d)
Pulse Width (9945)	0.1~10mS	±(3.0%+5d)
Diode Check	Open circuit voltage 1.5V dc; Test current 0.3mA typical.	
Continuity Test	Threshold 30Ω, Continuity Beeper 2.7KHz	

Size(HxWxD): AT-205P: 146mm x 66mm x 41.5mm
AT-9945/9945T: 195mm x 92mm x 38mm
Weight: AT-205P: 200g;
AT-9945/9945T: 380g

Accessories:
Rubber holster, Test leads, type K temperature Probe, Inductive pick-up and 9V battery.

