

# ATTEN AT9205D Digital Multimeter



AT9205D is easy to operate ,accuracy ,compact, rugged, battery operated, handheld 3½ digital multi-meter for measuring DC and AC voltage, DC and AC current, Resistance and Diode, Capacitor, Transistor(hFE), Continuity Test and Temperature or frequency. The Dual slope A-D Converter uses C-MOS technology for auto-zeroing, polarity selection and over-range indication. It also has full overload protection. AT9205D is an ideal instrument for use in the field, laboratory, workshop, Industrial maintenance, DIYers and home applications.

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## Key Features

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- All ranges fully protected and full overload protection
  - Single 30 position easy to use rotary switch for FUNCTION and RANGE selection.
  - High sensitivity of 100 $\mu$ V
  - Automatic over range indication
  - Auto power-off
  - Dual slope A-D Converter uses C-MOS technology.
  - Auto zero and auto polarity selection
  - Over range indication
  - Continuity test with LED indication and buzzer indication
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## Technical Specifications

Function	Range	Accuracy	Resolution
DC Voltage	200mV/2V/20V/200V/1000V	$\pm$ (0.5% +2)	100 $\mu$ V – 5V
AC Voltage	200mV/2V/20V/200V/750V	$\pm$ (1.0% +2)	100 $\mu$ V – 1V
DC Current	20uA/2mA/20mA/200mA/20A	$\pm$ (1.0% +2)	1 $\mu$ A – 10mA
AC Current	20uA/2mA/20mA/200mA/20A	$\pm$ (1.5% +5)	1 $\mu$ A – 10mA
Resistance	200 $\Omega$ /2K/20K/200K/2M/200M	$\pm$ (1.0% +2)	0.1 ohm – 100K ohm
Capacitance	20nF/200nF/2uF/20uF/200uF	$\pm$ (3.0% +2)	1PF – 10nF
Frequency Test	200KHz	$\pm$ 1% of rdg + 1 digit	100Hz
Diode Test	Yes, Approx forward voltage		
Transistor Test	Yes, Approximate hFE value		
Continuity Test	Yes, Buzzer sounds		
Automatic Power off	Yes, keeping idle for about 15min.		

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## General Specifications

Maximum Display	1999 counts (3 ½ digits) with automatic polarity indication and eng. Unit
Indication Method	LCD Display
Measuring Method	Dual –Slope integration A-D converter system
Overrange indication	“1” Figure only on the display
Maximum common mode voltage	500V DC/AC rms
Reading rate	2-3 reading per sec (approx.)
Temperature	Operating:10°C to + 40°C, 32°F to 104 °F, Not operating: -10°C to +50°C, 14°F to 122°F
Power supply	One 9V battery (NEDA 1062 6F22 type or equivalent)
Low Battery indication	 to the left of display

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<b>Size</b>	88 x 170 x 38 mm
<b>Weight</b>	340g
<b>Standard Accessories</b>	Test leads, Operating Manual
<b>Qty/Ctn</b>	60
<b>Size of Shipping Package</b>	50 x 40 x 40cm
<b>Gross weight of Shipping Package</b>	21Kg

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## **An ISO-9001 Certified Manufacturer**

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