

Automotive Multimeter



FEATURES

- DC Voltage
- AC Voltage
- DC Current
- Resistance
- Frequency Counter
- Temperature Measurement
- RPM Measurement
- Duty Cycle
- Dwell Test
- Diode Test
- Continuity Buzzer
- Auto Power Off
- Easy to Use Single Rotary Switch

Aplab-APPA 25 is easy to use Automotive Multimeter. Features like Dwell Degree measurement, duty cycle measurement and RPM measurement with low coil signal makes this automotive multimeter just a right meter in fine tuning and trouble shooting of engines in automobile application. The optional nail-hook holster protects from shocks, stores lead and probe on the back and can lean or stand for best viewing positions. It can also measure AC/DC voltages, DC currents & tests diode like any other multimeters to check electrical systems in automobiles and battery chargers. It measures temperature of engine coolant, brake, transmission fluids & gels by using optional 501K immersion probe besides general temperature measurement making it versatile instrument. Auto Power off feature conserves the battery power.

Technical Specification (All specifications at 25°C ±5°C, less than 80% R.H.)

	Range	Accuracy
DC VOLTAGE	200mV, 2V, 20V, 200V.	±(0.5% + 1d).
Input Impedance	10MΩ.	
Overload Protection	600V rms.	
Resolution	0.1mV.	
AC VOLTAGE	200V, 600V.	±(1.5% + 5d) at 40Hz ~ 500 Hz.
Input Impedance	10MΩ < 100pF.	
Overload Protection	600V rms.	
Resolution	0.1V.	
HIGH TACH	0 ~ 10000 RPM, reading x 10 (4 cyl, 5 cyl, 6 cyl, 8 cyl)±(1.5% + 50 RPM).	
Overload Protection	250V DC/AC peak, within 20 sec.	
Resolution	10 RPM.	
LO TACH	0 ~ 2000 RPM (4 cyl, 5cyl, 6cyl, 8cyl)	±(1.5% + 5 RPM)
Overload Protection	250V DC/AC peak, within 20 sec.	
Resolution	1 RPM	
DUTY CYCLE	0 ~ 100.0%	±(1.5% + 2d)
Overload Protection	250V DC/AC peak, within 20 sec.	
Resolution	0.10%	
DWELL DEGREES	0 ~ 90.0°C (4 cyl) 0 ~ 50.0°C (6 cyl) 0 ~ 45.0°C (8 cyl)	±(1.5% + 2d) ±(1.5% + 2d) ±(1.5% + 2d)
Overload Protection	250V DC/AC peak, within 20 sec.	
Resolution	0.1°	
RESISTANCE	200 ohm, 2K ohm, 20K ohm, 200K ohm, 2M ohm	200 ohm ±(0.8% + 4d) 2K ohm ~ 2M ohm ± (0.8% + 1d)
Overload Protection	600V rms.	
DIODE & BUZZER		
Open Circuit Voltage	3.2V max.	±(1.5% + 5d) for test diode forward voltage.
Buzzer	Built-in buzzer sounds when resistance is less than 50 ohms.	
Overload Protection	500V DC/AC rms.	
DC CURRENT	15A	± (2.0% + 3d).
Overload Protection	15A/250V fast blow fuse.	
Resolution	0.01A.	
FREQUENCY COUNTER	2KHz, 20KHz	±(1.0% + 3d).
Input Protection	600V rms.	
TEMPERATURE	-20°C ~ 800°C, -4°F ~ 1472°F	-20°C ~ 350°C, -4°F ~ 662°F. ±(2% + 4°C/8°F) 351°C ~ 500°C, 663°F ~ 932°F. ±(2% + 2°C/4°F) 501°C ~ 800°C, 933°F ~ 1472°F. ±(3% + 2°C/4°F).
Resolution	1°C or 1°F.	
GENERAL		
Sampling Rate	2.5 times per second, normal.	
Display	3½ digit LCD with Max. reading of 1999.	
Polarity	Auto polarity, (-) sign turn on at minus.	
Over Range Indication	"1" or "-1".	
Low Battery Indication	Yes.	
Operating Temperature	0°C to +50°C (below 80% R.H.).	
Storage Temperature	-20°C to +60°C (below 80% R.H.).	
Temperature Coefficient	0.15 x (Spec. accuracy)/°C, (<18°C or > 28°C).	
Power Requirements	Single 9V battery (NEDA 1604, IEC 6F22).	
Battery Life	350 hours typical (alkaline).	
Size	84 (W) x 175 (L) x 31 (H) mm.	
Weight	330 Grams.	
Accessories Included	Test Leads, Battery (installed) and Manual.	

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