

model
EM127, AUTOMOTIVE DMM



IGNITION SYSTEM

ignition system test with LED indicator.
Data-hold function

BATTERY

Automotive battery function with LED indicator



SPECIFICATION

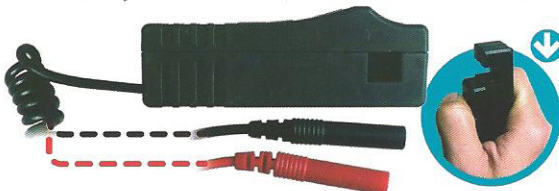
Battery	12V/24V
Dwell Angle	3-4-5-6-8CYL
Tach	0~20000RMP
Voltage DC	20/35V
Current DC	10A
Resistance	200/2k/20k/200k/20MΩ
Temperature	0~1000°C
Frequency	20kHz
Duty Cycle	5% to 95%
Diode Check	approx. 2.8V
Continuity	Less than 30Ω



Power Source: 9V(6F22) battery ×1pc
Dimensions/Weight: 156×78×58mm/290g
Fuse Protection for "10A": 10A/250V Fast Fuse



model
EA103, SIGNAL PICK UP



Using EA103 with an automotive meter, you can accurately measure dwell angle and engine's turning speed (RPM). Samples every kind of signal with inductive pickup. Dimension/Weight: 35×97×20 mm / 107g

model
EA101, CLAMP-ON TACHOMETER



- Conventional 4 cycle or DIS/2 cycle ignition system capability
- Data hold function
- Used to verify and set idle speed

SPECIFICATION

Ranges (RPM4)	600/2000/12000 (×10RPM)
Ranges (RPM2/DIS)	300/2000/7000 (×10RPM)
Resolution	×1:1RPM; ×10:10RPM
Effect reading	>600 RPM for RPM4 >300 RPM for RPM2/DIS
Accuracy	±2.0%rdg+5dgt

Power Source: 9V(6F22) battery ×1pc
Dimensions/Weight: 175×48×70mm/485g



model
EM129, AUTOMOTIVE DMM

LARGE DISPLAY

The model EM129 meter is a 3 1/2 digit digital automotive multimeter. Data-hold function

SPECIFICATION

Dwell Angle	3-4-5-6-8CYL
Tach	180~10000RMP
Voltage DC	200m/2/20/200/1000V
Voltage AC	200/750V
Current DC	20m/200m/10A
Resistance	200/2k/20k/200k/2M/20MΩ
Temperature	-20~750°C/-4~1832°F
Frequency	20kHz
Duty Cycle	5% to 95%
hFE (EM129A)	Vce≈3V, Ib≈10μA
Diode Check	approx. 3V
Continuity	Less than 30Ω



Power Source: 9V(6F22) battery ×1pc
Dimensions/Weight: 200×97×48mm/495g



13
FUNCTIONS

model
EM128

Autorangeing

ANALOG BAR GRAPH

EM128 meter is a autorangeing 3 3/4 digit digital automotive multimeter. Data-hold function

SPECIFICATION

Dwell Angle	2-3-4-5-6-8CYL
Tach	10×(0~3260)RMP
Voltage DC	326m/3.26/32.6/326/600V
Voltage AC	3.26/32.6/326/600V
Current DC	326μ/3260μ/32.6m/326m/10A
Current AC	326μ/3260μ/32.6m/326m/10A
Resistance	326/3.26k/32.6k/326k/3.26M/32.6MΩ
Frequency	320/3200/32kHz
Duty Cycle	1% to 99%
Temperature	-20~750°C/-4~1382°F
Diode Check	approx. 3V
Continuity	Less than 30Ω



Power Source: 9V(6F22) battery ×1pc
Dimensions/Weight: 200×93×50mm/485g



12
FUNCTIONS

model
EA100, SIGNAL PICK UP

This unit is designed to be used with automotive meter or oscilloscope. It can be used in the adjustment and diagnosis of automotive engine. It is an ideal tool when you want to know the accurate turning speed of the engine. Simple to use, just clamp the spark plug wire.



EM128
with EA100

