



KT-2021

FEATURES

- For various automotive measurements.
 - Battery voltage / RPM* / Injection pulse width /
 - Charging current for alternator (with optional clamp adapter) /
 - Temperature
- *Except for rotary engine, diesel engine, and vehicle equipped with MSD or MDI systems.
- Large LCD with backlight and bar graph.
- Display hold, Auto power off functions.
- Error input warning.
- Equipped with holster and hard carrying case.

OPTIONAL ACCESSORIES

- 660 AC / DC Clamp Adapter
- 817-03 to 817-25 Temperature Probes
- 100-41 Test Lead Kit
- 100-62 Test Lead Set
- 944 Test Pin
- 946 Battery Clip
- 793 Coil-Type Contact Pin

SPECIFICATIONS

- Display : 6000 count LCD
- Sampling Rate : (Numerical) 5 times / sec
(Bargraph) 40 times / sec
- Range Selection : Auto / Manual Ranging
- Power Supply : 1.5V R03 or AAA Batteries (x 2)
- Fuse : F20 (0.63A/500V) x 1
F32 (6.3A/500V) x 1
- CE Mark : V : CAT II 1000V, uA/mA/A : CAT II 450V and EMC
- Dimensions : 161(H) x 80(W) x 50(D) mm
- Weight : 340g
- Accessories : Holster, 100-66 Test Leads (x 1 set)
653 RPM Sensor (for Direct Ignition)
654 RPM Sensor (for High Tension Code)
818-02 Temperature Probe
943 Alligator Clip, 1024 Carrying Case
1.5V R03 Batteries (Installed) x 2
Spare Fuses F20 (0.63A/500V) & F32 (6.3A/500V) x 1 each



Equipped with an Useful Carrying Case



	Range	Resolution	Accuracy	Input Impedance	
DC Voltage	60mV	0.01mV	±0.4%rdg±3dgt	≈10MΩ, 50pF	
	600mV	0.1mV	±0.3%rdg±3dgt		
	6V	1mV			
	60V	10mV	±0.4%rdg±3dgt		
	600V	100mV			
AC Voltage	1000V	1V	±0.7%rdg±3dgt	≈10MΩ, 50pF	
	60mV	0.01mV	±2.0%rdg±5dgt (50Hz to 500Hz)		
	600mV	0.1mV	±2.0%rdg±5dgt (50Hz to 500Hz)		
	6V	1mV	±2.0%rdg±5dgt (50Hz to 500Hz)		
	60V	10mV	±2.2%rdg±5dgt (50Hz to 500Hz)		
DC Current	1000V	1V	±2.2%rdg±5dgt (50Hz to 500Hz)	Voltage Drop	
	600 μA	0.1 μA	±0.7%rdg±3dgt		0.25mV / μA
	6000 μA	1 μA	±0.5%rdg±3dgt		2.5mV / mA
	60mA	0.01mA	±0.7%rdg±3dgt		
	600mA	0.1mA	±0.5%rdg±3dgt		0.03V / A
6A	1mA	±0.7%rdg±3dgt			
10A	10mA	±0.5%rdg±3dgt			
AC Current	600 μA	0.1 μA	±2.2%rdg±5dgt	0.25mV / μA	
	6000 μA	1 μA	±2.0%rdg±5dgt		
	60mA	0.01mA	±2.2%rdg±5dgt		
	600mA	0.1mA	±2.0%rdg±5dgt		
	6A	1mA	±2.2%rdg±5dgt		
Resistance	10A	10mA	±1.2%rdg±5dgt	0.03V / A	
	600Ω	0.1Ω	±0.5%rdg±6dgt		Open Circuit Voltage
	6kΩ	1Ω	±0.5%rdg±3dgt		
	60kΩ	10Ω	±0.5%rdg±3dgt		
	600kΩ	100Ω	±0.8%rdg±4dgt		
Capacitance	6MΩ	1kΩ	±1.0%rdg±5dgt	0.45V DC	
	60MΩ	10kΩ	±1.5%rdg±5dgt		
Functions	Range	Resolution	Accuracy		
	6.000 μF	0.001 μF	±2.0%rdg±5dgt		
Continuity Test	60.00 μF	0.01 μF	±3.5%rdg±5dgt		
	600.0 μF	0.1 μF	±4.0%rdg±5dgt		
Temperature	2000 μF	1 μF	±4.0%rdg±5dgt		
Fuel Injection Pulse Width	0° to 360°	±1.2°/krpm±1dgt	Selectable Number of Cylinders		
	0% to 100%	±0.04%/krpm/cyl±2dgt	1,2,3,4,5,6,8,10,12		
Dwell Angle	0.05ms to 250.0ms	±0.05ms±1dgt			
	0% to 100%	±0.04%/krpm±2dgt			
Duty Cycle	1.000V	±1.0%rdg±3dgt	0.50mA		
	Open Circuit Voltage : <1.6V DC				
Diode Test	Range	Resolution	Accuracy		
	-50°C to 1000°C	1°C	±0.5%rdg±3dgt		
Temperature	-58°F to 1832°F	1°F	±0.5%rdg±6dgt		
	Buzzer Sound : Approx. 10 to 200Ω or less				
Capacitance	Range	Resolution	Accuracy		
	6.000 μF	0.001 μF	±2.0%rdg±5dgt		
Functions	60.00 μF	0.01 μF	±3.5%rdg±5dgt		
	600.0 μF	0.1 μF	±4.0%rdg±5dgt		
Continuity Test	2000 μF	1 μF	±4.0%rdg±5dgt		
	Bargraph, Range Hold, Display Hold, Auto Power Off, Backlight, Error input warning				

Accessories, Optional Accessories

MODEL 660 AC / DC Clamp Adapter (Optional Accessories)

The charge current of alternator can be measured just clamping.



- Range : DC/AC 40A/400A
- Output : DC/AC 100mA/mV(40A Range)
DC/AC 1A/mV(400A Range)
- Accuracy : ±1.5% to 7.0%rdg±0.5mV
- Power Supply : 1.5V R6P or AA Batteries (x2)
- Conductor Diameter : φ19mm Max.
- CE Mark : CAT II 300V, CAT I 600V, class 2 and EMC
- Dimensions : 180(H) x 43(W) x 31(D)mm
- Weight : 210g
- Cable length : 145cm

MODEL 653 RPM Sensor (Accessories)

For engine speed measurement of direct ignition engine that is equipped for the most of gas-powered car recently.



MODEL 654 RPM Sensor (Accessories)

For engine speed measurement by clamping on the high tension cord.

