

kaise

DIGITAL PROBE TESTER

NEW SK-6597/6598

(Average Rectification)

(True RMS)

www.kaise.com



Upgraded Probe Tester with AC/DC-A and True RMS!

(SK-6598)

- ❖ Current measurement up to AC/DC 400mA.
- ❖ Penlight and backlight LCD (SK-6597).
- ❖ True RMS AC/DC conversion (SK-6598).
- ❖ Up to 30kHz Frequency in AC Voltage (SK-6598)
- ❖ Easy-to-read large LCD.



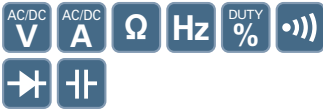
SK-6597

SK-6598

Current measurement up to AC/DC 400mA

Measurement functions

DC/AC Voltage, DC/AC Current, Resistance, Frequency, Duty Cycle, Continuity Test, Diode Test, Capacitance



Clear buzzer sound

Easy-to-hear buzzer sound even in noisy conditions.

Penlight and backlight LCD (SK-6597)

Brightly illuminate test points and display even in the dark place.



CE Marking Approved

Up to 30kHz Frequency in AC Voltage (SK-6598)

Easy-to-read large LCD

(compared to the existing model)



Easy-to-use large Test Lead

True RMS AC/DC conversion (SK-6598)

Accurate measurement even in distorted waveform.

Replaceable Test Pin and Test Lead

Easy replacement without any tools.

- Screw-in type Test Pin.
- Plug-in type Test Lead.

Gold-plated Test Pin and Test Lead Tip

Free from rusting damage.

DC Voltage	Range	Resolution	Accuracy			Input Impedance	Maximum Input	Overload Protection				
	400mV	0.1mV	±0.5%rdg±3dgt			≥100MΩ			600V DC	900Vrms for 1 minute		
4V	1mV				≒11MΩ							
40V	10mV				≒10MΩ							
400V	100mV	±1.0%rdg±3dgt										
600V	1V					600V rms	900Vrms for 1 minute					
AC Voltage	4V	1mV	50Hz to 500Hz	500Hz to 1kHz (SK-6598)	1kHz to 5kHz (SK-6598)			5kHz to 30kHz (SK-6598)	≒11MΩ			
	40V	10mV	±1.5%rdg±5dgt	±1.5%rdg±7dgt	±5.0%rdg±10dgt			±9.0%rdg±10dgt	≒10MΩ			
	400V	100mV								—	—	—
	600V	1V										
Frequency (Auto-ranging)	Range	Resolution	Accuracy		Input Sensitivity	Maximum Input						
	1.00Hz to 100.0kHz	0.001Hz to 100Hz	±0.2%rdg±2dgt		3V rms	600V rms or 2 x 10 ⁶ Hz						
Duty Cycle	Range	Resolution	Accuracy		Input Sensitivity	Maximum Input	Frequency Range					
	0.0% to 99.9%	0.1%	±0.5%rdg±5dgt		3V rms	600V rms	1Hz to 1kHz					

DC Current	Range	Resolution	Accuracy			Burden Voltage	Maximum Input	Overload Protection	
	40mA	10 μA	±1.0%rdg±2dgt			<0.1V			400mA DC
400mA	100 μA				<0.6V				
AC Current	40mA	10 μA	±1.5%rdg±7dgt			<0.1V	400mA rms		
	400mA	100 μA				<0.6V			
Frequency (Auto-ranging)	Range	Resolution	Accuracy		Input Sensitivity	Maximum Input			
	10.00Hz to 1kHz	0.01Hz to 1Hz	±0.2%rdg±2dgt		20mA rms	400mA rms or 2 x 10 ⁶ Hz			

Resistance	Range	Resolution	Accuracy		Diode Test	Range	Accuracy		Open Circuit Voltage
	400Ω	0.1Ω	±1.5%rdg±4dgt			1V	±5.0%rdg±3dgt		≤1.7V
	4kΩ	1Ω				Capacitance (Auto-ranging)	Range	Resolution	Accuracy
	40kΩ	10Ω	±1.0%rdg±3dgt				50nF	10pF	±5.0%rdg±10dgt
	400kΩ	100Ω					500nF	100pF	
	4MΩ	1kΩ	±5.0%rdg±3dgt				5 μF	1nF	
40MΩ	10kΩ	±7.0%rdg±3dgt		50 μF	10nF				
				100 μF	100nF				
Open Circuit Voltage : ≒0.44V					Functions	MAX / MIN, Range Hold (SK-6598), Display Hold, Difference, Auto Power Off, Penlight and Backlight (SK-6597)			
Continuity Test	Range	Buzzer Sound	Response Time						
	400Ω	less than 50Ω	1m sec.						

Display (LCD)	4000 count, maximum reading 4050, 12mm high		
Operating Principle	Σ Δ conversion		
AC/DC Conversion	Average Rectification (SK-6597), True-RMS (SK-6598)		
Sampling Rate	3 times / second (except for Frequency, Duty Cycle and Capacitance measurement)		
Range Selection	Auto / Manual (Auto for only SK-6597) NOTE : Single range for Continuity, Diode test and Duty Cycle		
Battery Warning	"BAT" indication at approx. 2.4V or less		
Display Hold	Hold indicating values by DH Key		
Auto Power Off	Power turns off automatically after approx. 12 minutes (cancelable)		
Overload Protection	V : DC 900V or AC 900Vrms (for 1 minute) AC 600Vrms in 400mV range Ω / ● / → / ← : AC 300Vrms (for 1 minute)		
Operating Temperature & Humidity	0°C to 40°C, less than 80%RH in non-condensing		
Storage Temperature & Humidity	-20°C to 60°C, less than 70%RH in non-condensing		
Temperature Coefficient	Accuracy at 23°C ±5°C × 0.1%/°C		
Safety Level	CE Marking approved (IEC-61010-1, CAT III 600V and EMC Test passed.)		
Power Supply	1.5V LR44 x 2		
Fuse	(p/n F22) : 0.5A / 600V (φ 6.3 x 32mm) x 1		
Power Consumption	SK-6597: approx. 2.5mA typ approx. 8.5mA when lights up Penlight and LCD Backlight approx. 23mA when buzzer sounds SK-6598: approx. 4.5mA typ approx. 25mA when buzzer sounds		
Continuous Operating Time	approx. 40 hours (SK-6597) approx. 20 hours (SK-6598)		
Dimensions & Weight	209(H) x 38(W) x 32(D)mm, Approx. 110g (include battery)		
Accessories	100-68 Test Lead (Black) (x 1), 1.5V LR44 Batteries (x 2) 780 Red Insulation Cap (x 1), 781 Test Lead Insulation Cap (Black) (x 1)		
Optional Accessories	940 Alligator Clips, 792R Straight Test Pin (Red) 793 Coil-Type Contact Pin, 1026 Carrying Case		

DISTRIBUTOR

kaise

www.kaise.com

KAISE CORPORATION

422 Hayashinogo, Ueda City, Nagano Pref., 386-0156 Japan

Telephone : +81-268-35-1601 Fax : +81-268-35-1603

E-mail : sales@kaise.com