

## KT 170/171 NEW

VOLTAGE TESTER

Probe Protection Cover



CE

CE

photo : KT170

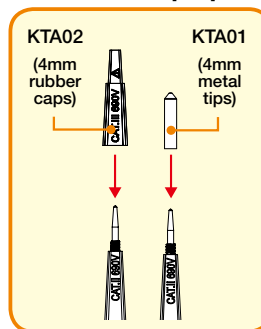
photo : KT171

- Comply with the latest standards IEC61243 and IEC61010
- Novel design  
Large and bright LEDs: Values are visible in the dark place.  
Ergonomic design fits in the hand.
- Two functions are available in one model.  
"Measurement without battery" and "Self Test (all LED on)"
- Test leads withstand harsh environments at low temperature.
- Penlight(white LED)
- Auto-power ON / OFF
- Audible indication
- Variable test tips, 2mm or 4mm $\phi$
- Probe protection cover can store the attachment of caps.
- IP65 (IEC60529)

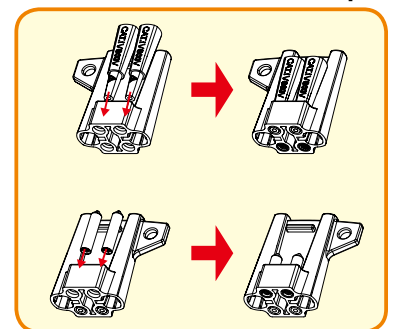
KT170/171	
Voltage test	
Voltage range	12~690V AC/DC
LED	
Nominal voltage	12/24/50/120/230/400/690V AC(16~400Hz), DC( $\pm$ )
Tolerance (Threshold voltage)	Light on at more than: 7 $\pm$ 3V (12V LED) 18 $\pm$ 3V (24V LED) 37.5 $\pm$ 4V (50V LED) 75% $\pm$ 5% of nominal voltage (120/230/400/690V LED)
Response time	< 0.6s at 100% of each nominal voltage
LCD (KT171 only)	
Range / Resolution (Auto-range)	300V AC/DC (6.0~299.9) / 0.1V 690V AC (270~759) / 1V 690V DC (270~710) / 1V
Accuracy (23 $\pm$ 5 $^{\circ}$ C)	$\pm$ 1.5V (7~100V) $\pm$ 1% $\pm$ 5dgt (100~690V) AC(16~400Hz), DC( $\pm$ )
Over limit indication	"OL"
Response time	< 2s at 90% of each voltage
Peak current	Is<3.5mA (at 690V)
Measurement Duty	30s ON (operation time) 240s OFF (recovery time)
Single-pole phase test	
Voltage range	100~690V AC (50/60Hz)
Phase rotation test	
System	Three-phase 4-wire system 200~690V phase-to-phase AC (50/60Hz)
Phase range	120 $\pm$ 5 degree
Continuity test	
Detection range	0~400k $\Omega$ + 50%
Test current	Approx. 1.5 $\mu$ A (battery 3V, 0 $\Omega$ )
Operating temperature and humidity ranges	-15~55 $^{\circ}$ C, max 85% RH (No condensation)
Storage temperature and humidity ranges	-20~70 $^{\circ}$ C, max 85% RH (No condensation)
Applicable standards	IEC61243-3, IEC61010-1, IEC61010-031*, IEC61557-7 CAT. III 690V / CAT. IV 600V Pollution degree 2, IEC60529 (IP65)
Power source	LR03(AAA) 1.5V x 2
Dimensions	246 x 64 x 26mm
Weight	195g (including batteries)
Accessories	LR03(AAA) 1.5V x 2, KTA01(4mm metal tips[2pcs/set]) <sup>*2</sup> , KTA02(4mm rubber caps[2pcs/set]) <sup>*2</sup> , Instruction manual

\*1 : KT170AU is not complied \*2 : KT170AU is not included

### Variable top tips



### Store the attachment of caps



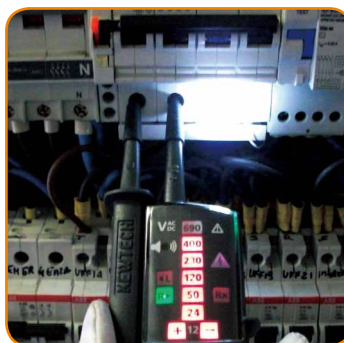
### Voltage Test (Double-pole Test)

- The voltage is indicated by LEDs.
- Buzzer sounds and Live circuit LED lights up when a threshold voltage of 50V is exceeded.
- Voltage polarity is indicated in following manner.



AC +DC -DC  
+12 - +12 - +12 -

### Bright LEDs and Penlight



### Single-pole Phase Test



\*KT170AU is for AS/NZS outlet