

## KT 170/171

VOLTAGE TESTER

CAT IV  
600V



photo : KT170

photo : KT171

Probe Protection Cover

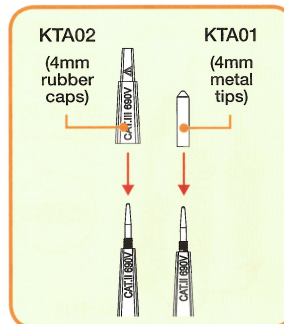


	KT170/171
<b>Voltage test</b>	
Voltage range	12 - 690V AC/DC
<b>LED</b>	
Nominal voltage	12/24/50/120/230/400/690V AC(16 - 400Hz), DC(±)
Tolerance (Threshold voltage)	Light on at more than: 7±3V (12V LED) 18±3V (24V LED) 37.5±4V (50V LED) 75%±5% of nominal voltage (120/230/400/690V LED)
Response time	< 0.6s at 100% of each nominal voltage
<b>LCD (KT171 only)</b>	
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±5°C)	±1.5V (7 - 100V) ±1%±5dgt (100 - 690V) AC(16 - 400Hz), DC(±)
Over limit indication	"OL"
Response time	Approx. 1s at 90% - 100% of each voltage
Peak current	Is<3.5mA (at 690V)
Measurement Duty	30s ON (operation time) 240s OFF (recovery time)
<b>Single-pole phase test</b>	
Voltage range	100 - 690V AC (50/60Hz)
<b>Phase rotation test</b>	
System	Three-phase 4-wire system 200 - 690V phase-to-phase AC (50/60Hz)
Phase range	120±5 degree
<b>Continuity test</b>	
Detection range	0 - 400kΩ + 50%
Test current	Approx. 1.5μA (battery 3V, 0Ω)
Operating temperature and humidity ranges	-15 - 55°C, max 85% RH (No condensation)
Storage temperature and humidity ranges	-20 - 70°C, max 85% RH (No condensation)(KT170) -20 - 60°C, max 85% RH (No condensation)(KT171)
Applicable Standards	IEC 61243-3, IEC 61010-1, IEC 61010-031, IEC 61557-7 CAT IV 600V / CAT III 690V Pollution degree 2, IEC 60529 (IP65)
Power source	LR03(AAA) (1.5V) × 2
Dimensions	246(L) × 64(W) × 26(D)mm
Weight	195g (including batteries)
Accessories	LR03(AAA) × 2, KTA01(4mm metal tips)(2pcs/set), KTA02(4mm rubber caps)(2pcs/set), Instruction manual

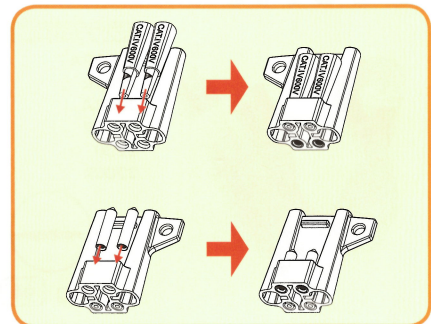
KT170AU is available for Australia and New Zealand market.

- Comply with the latest standards IEC 61243 and IEC 61010
- 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, φ2mm or φ4mm
- Probe protection cover can store the attachment of caps.
- IP65 (IEC 60529)

### 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

