

## Voltage Testers

# KT 170



- AC and DC voltage tests up to 690V with LED
- 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,  $\varnothing 2\text{mm}$  or  $\varnothing 4\text{mm}$
- Probe protection cover can store the attachment of caps
- IP65 (IEC 60529)

### 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

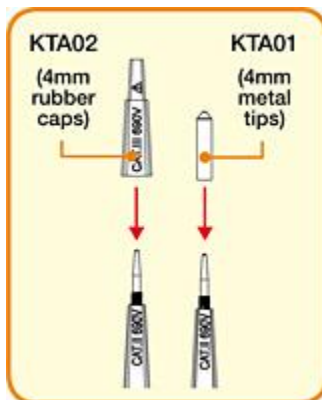
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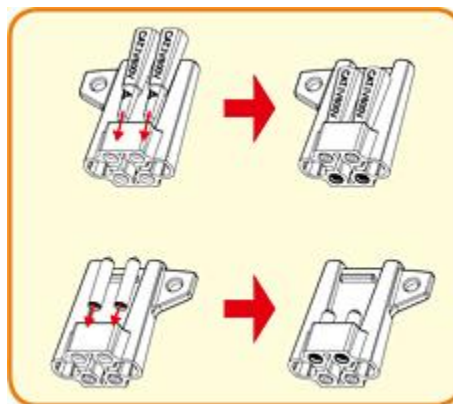
### Single-pole Phase Test



### Variable top tips



### Store the attachment of caps



### Probe Protection Cover



### 4mm Tips Replacement

How to fixing 4mm Tips on L1 probe- and L2 probe+.



### Voltage Test

Voltage Range	12 - 690V AC/DC
Nominal Voltage	12/24/50/120/230/400/690V AC (16 - 400Hz), DC ( $\pm$ )

Tolerance	Light on at more than:
(Threshold Voltage)	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
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±5 degree
Continuity Test	
Detection Range	0 - 400kΩ+50%
Test Current	Approx. 1.5μA (battery 3V, 0Ω)
Applicable standards	IEC 61243-3, IEC 61010-1, IEC 61010-031, IEC 61557-7 CAT III 690V / CAT IV 600V Pollution degree 2
IP Rating	IP65 (IEC 60529)
Operating temperature & humidity range	-15 - 55°C, max 85% RH (No Condensation)
Storage temperature & humidity range	-20 - 60°C, max 85% RH (No Condensation)
Power source	LR03 (AAA) 1.5V×2
Dimensions	246(L)×64(W)×26(D) mm
Weight	190g (including batteries)
Included Accessories	LR03 (AAA) 1.5V×2, KTA01 (4mm metal tips [2pcs/set]), KTA02 (4mm rubber caps [2pcs/set]), Instruction manual