

## KEWTECH

## KT 170/171

## VOLTAGE TESTERS

CAT IV  
600V

photo : KT170

photo : KT171

## Probe Protection Cover



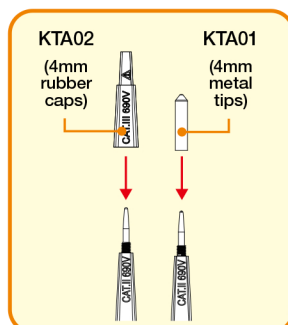
CE

CE

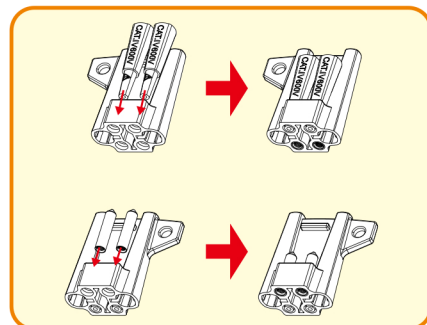
- Comply with the latest standards IEC 61243 and IEC 61010
- Novel design  
Large and bright LEDs: Values are visible in the dark place.  
Ergonomic design fits in the hand.
- Two functions are available in one model.  
"Measurement without battery" and "Self Test (all LED on)"
- Test leads withstand harsh environments at low temperature.
- Penlight(white LED)
- Auto-power ON / OFF
- Audible indication
- Variable test tips,  $\phi 2\text{mm}$  or  $\phi 4\text{mm}$
- Probe protection cover can store the attachment of caps.
- IP65 (IEC 60529)

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)	$\pm 1.5\text{V}$ (7 - 100V) $\pm 1\% \pm 5\text{dgt}$ (100 - 690V) AC(16 - 400Hz), DC( $\pm$ )
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)
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)(KT170) -20 - 60 $^{\circ}$ C, max 85% RH (No condensation)(KT171)
Applicable Standards	IEC 61243-3, IEC 61010-1, IEC 61557-7 CAT IV 600V / CAT III 690V Pollution degree 2, IEC 60529 (IP65)
Power source	LR03(AAA) (1.5V) $\times$ 2
Dimensions	246(L) $\times$ 64(W) $\times$ 26(D)mm
Weight	195g (including batteries)
Accessories	LR03(AAA) $\times$ 2, KTA01(4mm metal tips[2pcs/set]), KTA02(4mm rubber caps[2pcs/set]), Instruction manual
KT170AU is available for Australia and New Zealand market.	

## Variable top tips




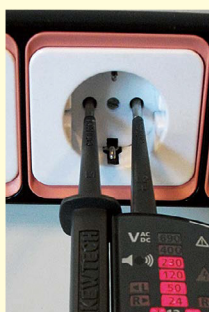
## Store the attachment of caps



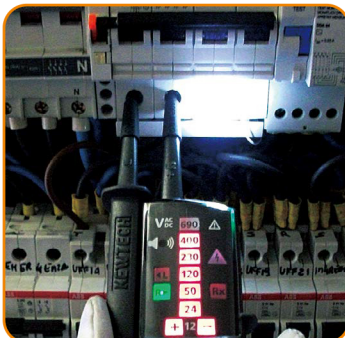
## Voltage Test (Double-pole Test)

- 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  




## Bright LEDs and Penlight



## Single-pole Phase Test



+982165565901

+982144584619

+989034119385

پتروفرهان گستر جنوب

FGJ-NDT.IR

DIGINDT.IR