

KT 170/171 NEW

VOLTAGE TESTER

Probe Protection Cover



CE

CE

photo : KT170

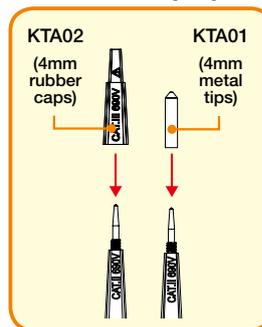
photo : KT171

- 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, $\phi 2\text{mm}$ or $\phi 4\text{mm}$
- Probe protection cover can store the attachment of caps.
- IP65 (IEC60529)

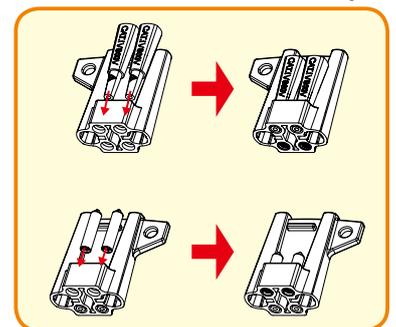
| KT170/171 | |
|---|--|
| Voltage test | |
| Voltage range | 12~690V AC/DC |
| LED | |
| Nominal voltage | 12/24/50/120/230/400/690V AC(16~400Hz), DC(\pm) |
| Tolerance (Threshold voltage) | Light on at more than: 7 \pm 3V (12V LED) 18 \pm 3V (24V LED) 37.5 \pm 4V (50V LED) 75% \pm 5% of nominal voltage (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 Ω + 50% |
| Test current | Approx. 1.5 μ A (battery 3V, 0 Ω) |
| 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]), 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
+12 +12 -12

Bright LEDs and Penlight



Single-pole Phase Test

