

# Detectors

## 3phase Detector

### KS1



CE

- Phase sequence and open phase check
- Large size alligator clips
- IEC61010 CAT. III 600V



Measurement	Open phase and Rotating direction
Voltage range	3 phase AC 100V - 600V
Frequency	45Hz~70Hz
Time limit	AC110V: Continuous, AC220V: 3 hours, AC480V: 12 minutes
Fuse	0.2A/250V
Environment condition	Altitude 2000m or below, pollution degree II
Operating temperature /humidity	0°C~40°C, 80%RH max. no condensation
Standards	IEC61010-1 CAT. III 600V, IEC61326, IEC61010-031
Dimensions	Main unit H102×W78×D32.5mm Alligator clips Approx. 0.6m (Red, White and Blue)
Weight	Approx. 212g (Alligator crips included)
Standard accessories included	Carrying pouch (C-KS)×1, Instruction manual



Carrying pouch

## Voltage Detector

### KD1



- Detect AC voltage safely
- Lead-free
- Fast and easy to use pen type

Voltage range	AC 80 to 600V, 50/60Hz
Measurement	Voltage Detection
Electrical wire to be measured	Open and coated wire
Insulation resistance	AC2000V for 1 minute
Indication	LED and continuous beeping sound
Sound volume	Greater or equal to 50dB at a position 50cm away
Light volume	Identifiable in the brightness of 5000lx
Batteries	Alkaline button cell LR44 (1.5V)×2
Operating temperature	0 to +40°C



## Test lead

### TL-10T



Length 0.6m

### TL-21



IEC61010 CAT. III 600V  
CAT. III 000V  
Length 1m  
Clip adapter  
CL-11  
TL-8IC  
CL-15

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### TL-21M



φ0.7mm shape-memory alloy test pin  
Exchangeable φ2mm pin  
Length 1m  
Clip adapter  
CL-11  
TL-8IC  
CL-15

### TL-23



IEC61010-031  
CAT. III 000V  
CAT. III 600V  
10A  
Length 1m  
Clip adapter  
CL-11  
TL-8IC  
CL-15

CE

### TL-25



IEC61010-031  
CAT. III 000V  
CAT. III 600V  
20A  
Length 1m  
Clip adapter  
CL-11  
TL-8IC  
CL-15

CE

### TL-61



Length 0.9m  
Clip adapter  
CL-11  
TL-8IC

### TL-61T



Length 0.85m

### TL-63



Length 1m

### TL-82



IEC61010 CAT. III 1000V  
Length 1m  
Clip adapter  
CL-13

CE

### TL-84



Length 0.9m  
Clip adapter  
CL-11  
TL-8IC

### TL-88



IEC61010 CAT. III 600V  
CAT. III 000V  
Length 1.1m  
Clip adapter  
CL-11  
TL-8IC

CE

### TL-91



Length 1m  
Clip adapter  
CL-11  
TL-8IC

### TL-91M



TL-61 and TL-91 are compatible  
φ0.7mm shape-memory alloy test pin  
Exchangeable φ2mm pin  
Length 1m  
Clip adapter  
CL-11  
TL-8IC

### TL-95



φ4mm pin at body side  
Length 1m  
Clip adapter  
CL-11  
TL-8IC

### TL-112



IEC61010-031  
CAT. III 000V  
CAT. III 600V 10A  
Length 1m

CE