

Easy detection of leak points by simply touching wires under uninterrupted power conditions

UNINTERRUPTIBLE  
LEAK POINT  
TRACING DEVICE

LEAK CATCHER

Type

SLE-A-Y



FEATURES

- Detection of leak points under uninterrupted power conditions
- Detection of leak points (places) in pressure and earth phases through the signal injection method.
- Easy detection of leak points by simply touching wires or equipment with the receiver.

SPECIFICATIONS

Transmitter

Signal frequency	4222Hz
Signal injection time	Continuous
Signal injection level (output)	6-step selection of 10, 20, 30, 50, 75, 100% (1.2Vp-p)
Inside diameter of injection transformer	φ60
Power supply	Small sealed lead storage battery (12V)

Receiver

Detecting method	Magnetic flux detection by signal current
Indication of detection	Flashing of LED lamp Intermittent sound of buzzer
Detecting sensitivity	4-step selection
Power supply	9V alkaline battery×1

Common

Detectable leak current	100V 30mA or more leak current (Ground fault resistance: 3kΩ or less) <small>(Note)</small>
Applicable circuit voltage range	600V AC or less low-voltage wired route
Operating temperature range	−10~40℃
Operating humidity range	Relative humidity: 95% or less
Storage temperature range	−20~50℃

(Note) The detectable leak current varies depending on the noise condition in the detection circuit.  
200 V circuits may result in a short of over 60 mA.

CONFIGURATION

【Receiver】

【Injection transformer】

【Transmitter】

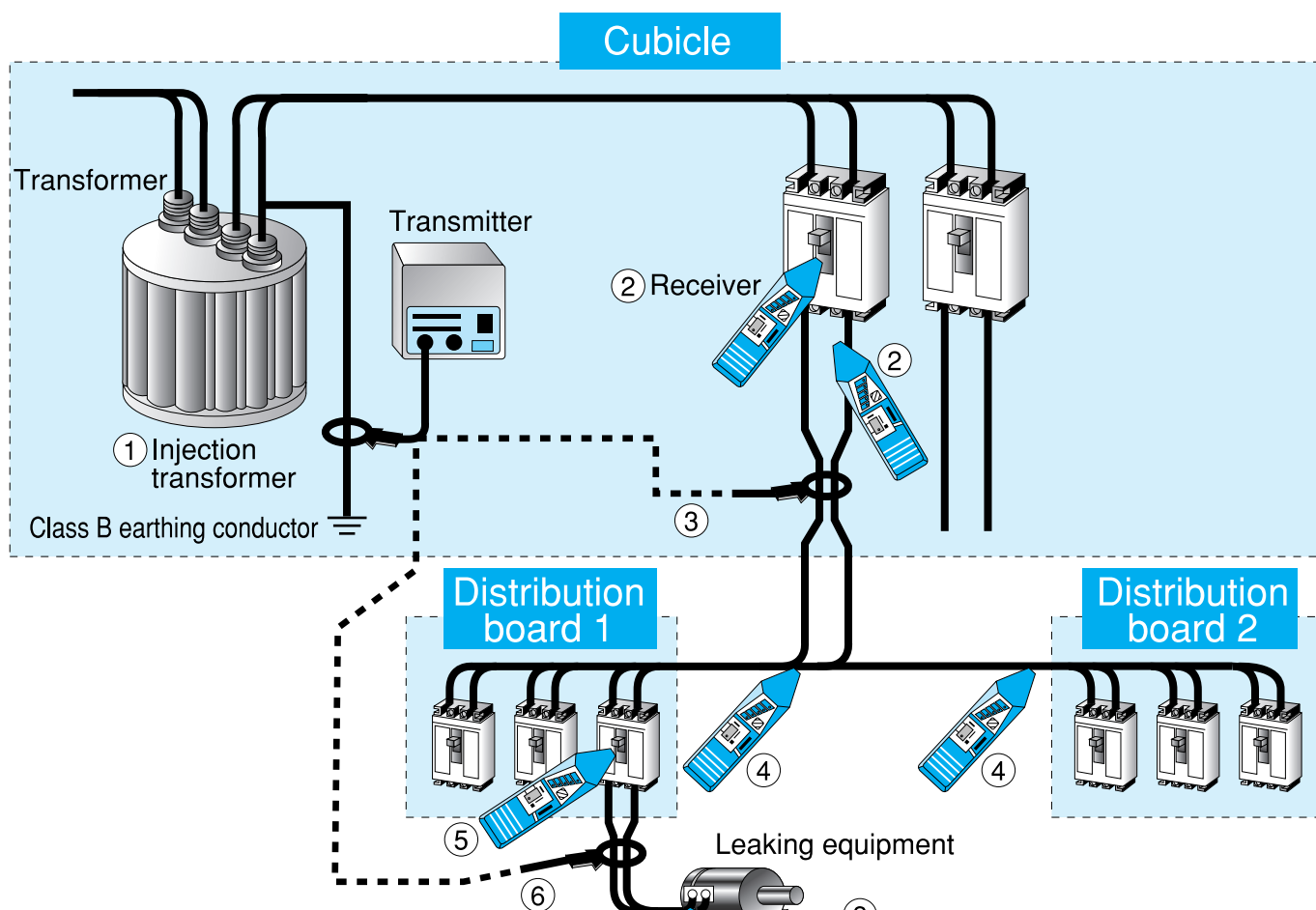
【Charger】

【Carrying case】

【Accessories】

- Alkaline battery (× 1)
- Shielding cover (option)

## EXAMPLE OF USE



- ① Clamp the injection transformer of the transmitter to the class B earthing conductor.  
If the leaking system is already known in advance, start from ⑥.
- ② Trace the branch breaker or the connecting wire in the cubicle with the receiver, and identify the leaking system.
- ③ Change the clamping position of the injection transformer as necessary.
- ④ Identify the distribution board in relation to the branch breaker specified in ②.
- ⑤ Trace the branch breaker or the connecting wire in the distribution board with the receiver, and identify the leaking system.
- ⑥ If the leaking system is already known in advance, clamp the injection transformer completely around the wires at any location (position ⑥, for example) of the leaking system.

- ⑦ Trace the wiring and equipment in the leaking system with the receiver.
- ⑧ If any earthing conductor is connected, check the reaction by applying the receiver to it.  
After assessing the leaking point, check the insulation resistance under dead line conditions.  
  - ※ When tracing, check for the regular flashing of the receiver.
  - ※ When the receiver reacts, the leaking point is located at the load side of the reacting location (excluding the earthing conductor).
  - ※ There are cases where it is difficult to make a judgment due to the effects of noise generated from equipment, earth capacity of wiring, noise filter, etc. In these cases, identify the leaking point by a total judgment in combination with Io measurement, etc.
  - ※ When clamping the injection transformer to the wired route, clamp not in only one phase but in all phases together.

## STANDARD PRICE LIST

Type	Standard price	Electrical contractors' price	Remarks	Delivery
SLE-A-Y	165,000			△

### Option

Product	Standard price	Electrical contractors' price	Remarks	Delivery
Detecting rod for SLE-A-Y	15,000			△
Tracing device for SLE-A-Y	12,000			△