

T-gami

# Super **LINE CHECKER**

Type: TLC-C-Y1



Circuit breaker or route detection can be carried out  
on the live lines by a single operator!

**Togami Electric Mfg. Co., Ltd.**

Catalog No C0251  
2016 January

Super Line Checker is suitable for wiring check prior to installation and repair work and at maintenance and failure occurred.

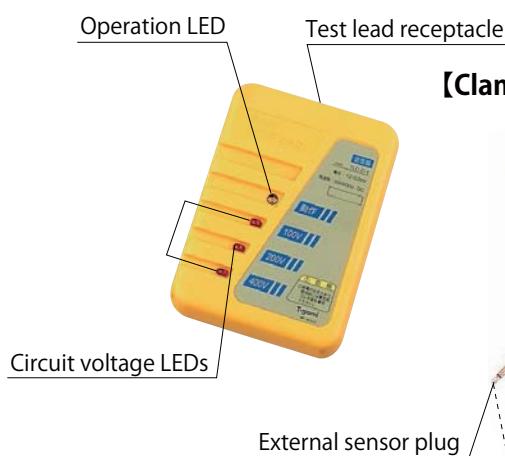
## Features

- ◆Earth leakage point detection
- ◆Breaker and route detection either live or de-energized wires
- ◆Circuit voltage indication
- ◆Easy judgment by sound and LED lights
- ◆More accurate detection by using clamp sensor
- ◆Prevent signal leak to the line you are not detecting



## Part names

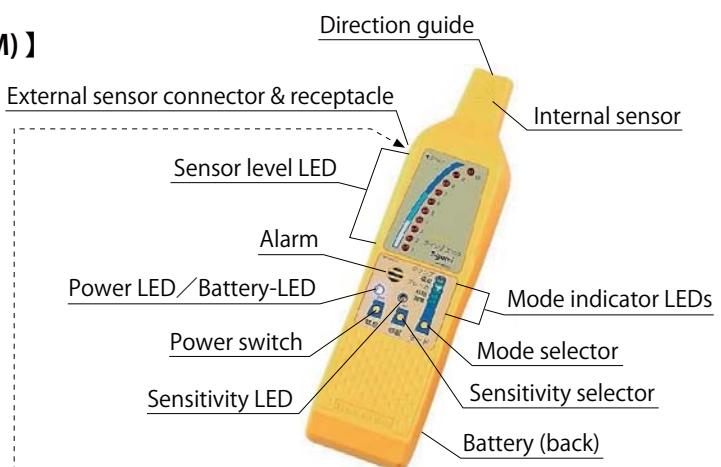
### [Transmitter]



### [Clamp sensor (M)]



### [Receiver]



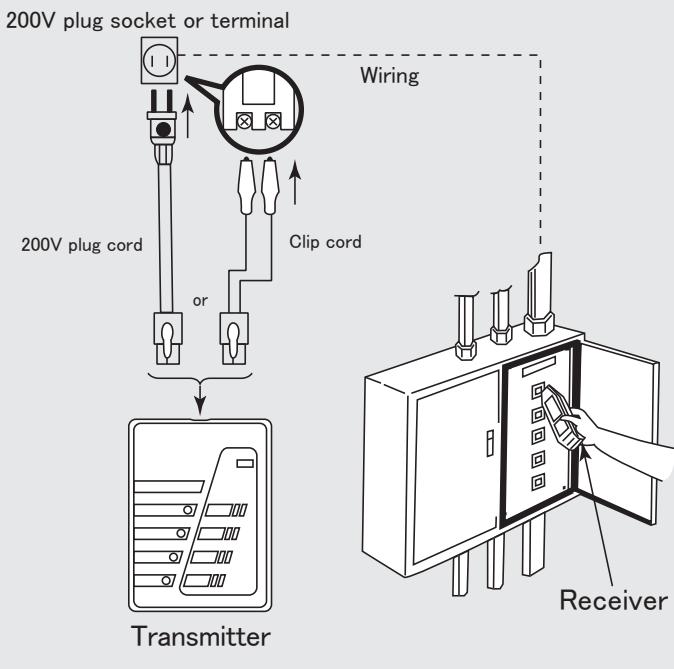
## Contents of standard set



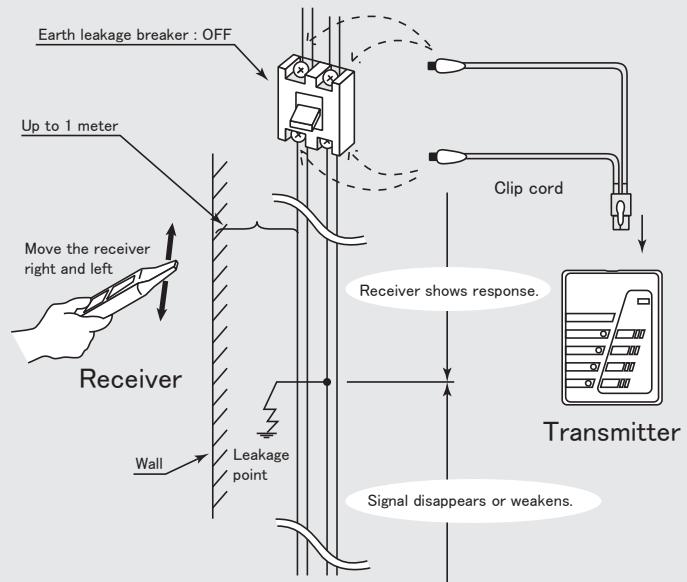
Transmitter×1  
Receiver×1  
Clamp sensor (M)×1  
Cord with 200V plug×1  
Clip cord×1  
Cord with battery clip×1  
9V manganese battery×1  
Carrying case×1  
Instruction manual×1

# Usage

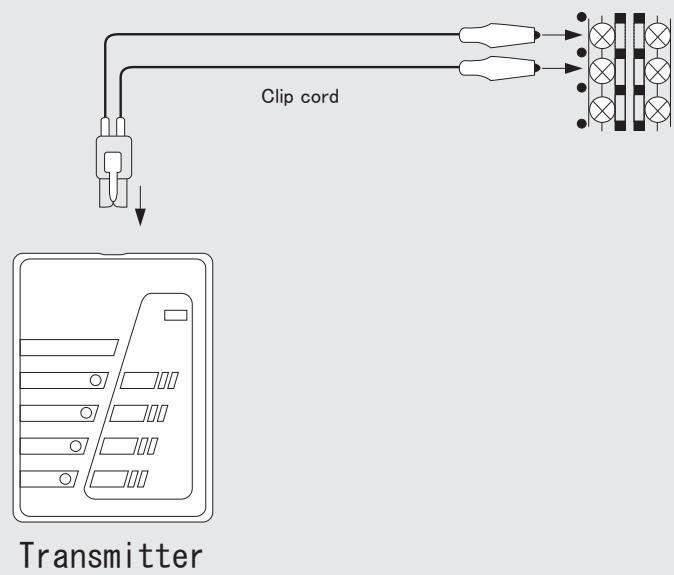
## 1. Energized breaker detection



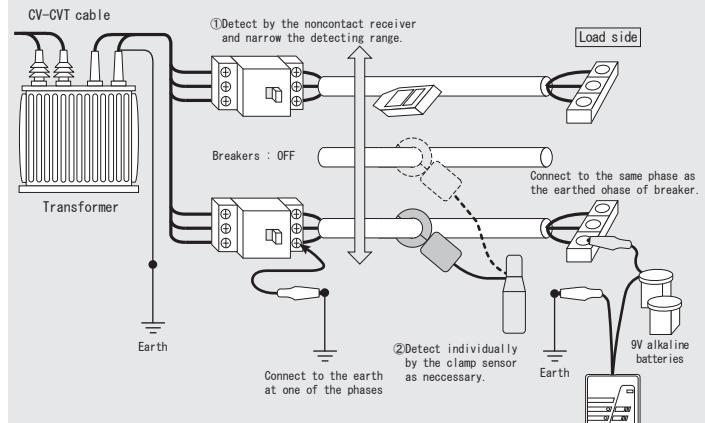
## 2. Earth leakage point detection(De-energized)



## 3. Circuit voltage check



## 4. De-energized cable detection



# Options



Signal leakage prevention unit  
(SBU-A-5K)



Clamp sensor (S)  
(inner dia.  $\phi 8$ )  
(TLC-C-F3)



Clamp sensor (L)  
(inner dia.  $\phi 40$ )  
(TLC-C-F2)



Clamp sensor (LL)  
(inner dia.  $\phi 68$ )  
(TLC-C-F7)

# Specifications

## Receiver (Type : TLC-C-R)

Detection theory	Detection the magnetic field generated by the signal current	
Detection frequency	5kHz	
Built-in sensor	2 coil sensors ( coils for wire detection and breaker detection )	
External sensor	Clamp sensor ( plug connecting type )	
Judgment criterion	10 LEDs ( red ) blink ( receiving level indication ) and alarm sound	
Sensitivity selection	5 mode selection ( Clamp, Wire, Breaker, Route, and E.Leakage) and Low/High sensitivity selection ( common to each mode )	
Condition of earth leakage detection	Ground fault resistance = 2kΩ or less Earth capacitance = 0.01μF or less	
Power	9V battery ( manganese or alkaline )	
Battery life	About 8 hours ( manganese battery, 20°C, continuous receive )	
Battery life display	Battery-LED ( blue ) ( Battery remaining : lighting = 40% or more, blinking = 40% or less, extinction = 0% )	
Auto power off	Auto power off after 10 minutes of non-operation	
Auto power off alarm sound	1.5 sec ( ON ) → 5 sec ( OFF ) → 1.5 sec ( ON ) → 5 sec ( OFF ) → 5 sec ( ON ) → Power off	
Applicable clamp sensor	Clamp sensor ( M ) ( internal diameter φ24 )	( standard )
	Clamp sensor ( LL ) ( internal diameter φ68 )	( option )
	Clamp sensor ( L ) ( internal diameter φ40 )	( option )
	Clamp sensor ( S ) ( internal diameter φ8 )	( option )
Dimensions	193 ( H ) × 51 ( W ) × 33 ( D ) mm	
Weight	About 135g ( including a battery )	

## Transmitter (Type : TLC-C-T)

Applicable voltage range	AC50/60Hz and DC : 12-528V	
Type	Current consumption	
Signal frequency	5kHz	
Signal current	200mA	
Signal time	30ms	
Signal cycle	500ms	
Operation indication	LED ( yellow )	
Voltage indication	LED ( red ) ( 100V/200V/400V )	
Dimensions	112 ( H ) × 82 ( W ) × 30 ( D ) mm	
Weight	About 111g	

## Clamp sensor (M) (Type : TLC-C-F1)

Applicable voltage range	AC50/60Hz and DC : max. 528V	
Applicable current	AC50/60Hz and DC : 100A	
Internal diameter of clamp	φ24	
Applicable clamping point	Insulating coating of LV insulated conductor ( Never clamp the bare conductors. )	
Length of signal cable	About 90cm	
Dimensions	100 ( L ) × 60 ( W ) × 26 ( D ) mm	
Weight	About 81g	

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※Appearance, dimensions, etc., are subject to change without prior notice.