

## ELB Hi TESTER

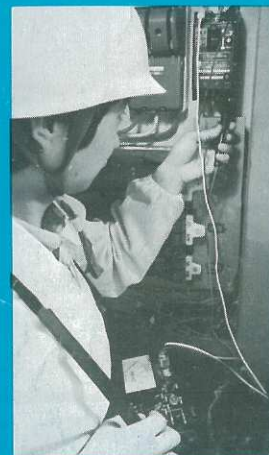


TESTER FOR GRAND FAULT CIRCUIT INTERRUPTER

# 3121

### EASY TO USE AND VERY ACCURATE

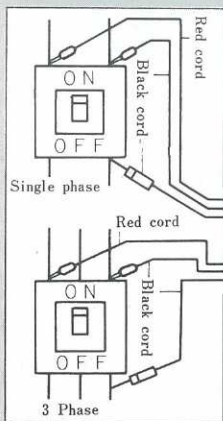
- Synchronous start system  
This system makes it possible to obtain accurate trip time readings quickly.
- Trip current hold possible  
Not only trip time but also trip current readings can be hold so that they can be read off accurately.
- Light, compact and portable
- Incorporates the core magnet TAUT BAND meter, outstanding for its shockproof qualities.





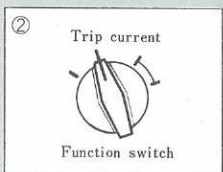
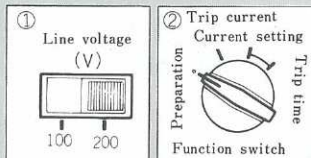
# The ELB Hi TESTER-outstanding for on-the-job use

## How to use the 3121



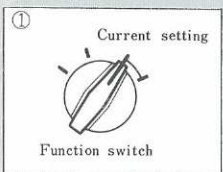
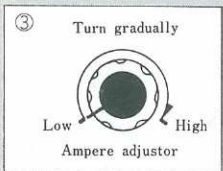
### Preparation

- (1) Turn the line voltage switch to the voltage for ELB use.
- (2) Turn the function switch to the "preparation" position.
- (3) Connect in the manner shown in the sketch at left. If connections are incorrectly made, the error connect warning lamp will light up.



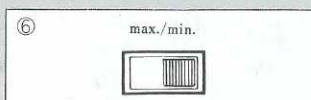
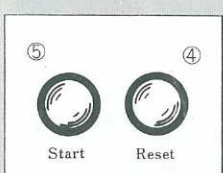
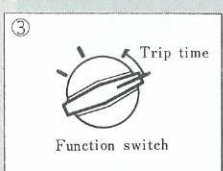
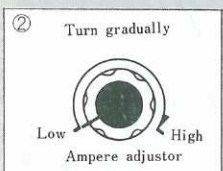
### Measuring Trip Current

- (1) Make the ampere range setting.
- (2) Turn the function switch to the "trip current" position.
- (3) Turn the ampere adjuster gradually from the low to the high position. The current reading when the ELB shuts off is the trip current. Push the reset button after taking each reading.



### Measuring Trip Time

- (1) Turn the function switch to the "current setting" position.
- (2) Turn the ampere adjuster knob around until it indicates the ELB rated trip current.
- (3) Turn the function switch to the "trip time" position and the trip time range setting.
- (4) Push the reset button to return the meter needle to 0.
- (5) Push the start button. The reading indicated by the meter needle when the ELB shuts off is "trip time".
- (6) By means of the max./min. selector switch operation, again measure trip time and this ELB trip time should be within the range of the two readings taken.



## Features of the 3121



### Accurate Trip Time Readings

A lot of leak breakers operate on half wave and there is a fluctuation within 10mS when taking trip time readings. In this instrument, current is introduced at the AC current 0 cross point. (By means of the max./min. selector switch, either on the positive or negative half cycle a start is carried out) The max./min. selector switch is used in taking two readings and maximum and minimum trip time readings obtained.

### Indication Hold

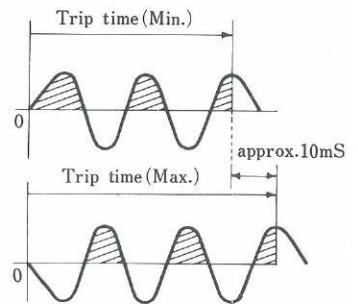
It is possible to hold the reading in the case of trip current reading as well as trip time measurement and in this way the reading can be read off without error.

### A Durable Easy-to-read Meter

The use of the core magnet TAUT BAND further enhances the durability and shock resistance of this sturdy little meter and the wide scale makes it very easy to read.

### Portable and Easy to Use

The unitary type case and panel combination helps to reduce weight and size and a strap is used to suspend the tester from the user's neck, thus improving its portability for use on job sites and in factories, etc.



## Specifications

Rated Voltage	B type	220/380V
	C type	110/240/415V
	D type	100/200/415V
Frequency	Both 50Hz and 60Hz	
Reading	Trip Current	AC 0~25/50/250/500mA
Range	Trip Time	0~100/1000mSec.
Tolerance	±2.5% of full scale	
Ambient Temperature for use	0°C~40°C	
External Dimensions and Weight	 (Unit: mm) Weight: Approx. 2kg	

\*Order or over 20pcs. only is acceptable.

# HIOKI

HIOKI E.E. CORPORATION

MAIN OFFICE, SALES AND MARKETING INTERNATIONAL DEPARTMENT 6249  
SAKAKI-MACHI, HANISHINA-GUN, NAGANO, JAPAN  
OVERSEAS TELEX: 03327-508 TELEPHONE NO.: 02688-2-3030~5,  
BRANCHES  
TOKYO, OSAKA, NAGOYA, FUKUOKA, KANAGAWA,  
HIOKI-RCC, INC.: 198 ROUTE 206 SOUTH SOMERVILLE, N.J. 08876 U.S.A.  
TELEPHONE: (201) 874-6484