

# Bierer

## METERS

*Safety is number one.*



## VBI-15™

# Voltage Break Indicator

## Operating Instructions

### CAUTION

The equipment covered in these operating instructions should be used by qualified employees trained in and familiar with the safety related work practices, safety rules and other safety requirements associated with this type of equipment. These instructions are not intended as a substitute for adequate training, nor do they cover all details or situations which could be encountered in relation to the operation of this type of equipment.

### WARNING

Use appropriate length live line tools for the voltage being worked and maintain minimum approach distances as outlined in OSHA 1910.269, Table E-6. Do not let live line tool fittings become grounded in any way. This may result in equipment damage, personal injury and/or death. Do not hold meter probe with bare or insulated hand, minimum live line tool length is 2 ft 1in.

Meter housing and any attachments shall be considered **non-insulating**. Meter should **NOT** be used as an insulating tool. The high voltage probe(s) shall be wiped clean prior to each use with a silicone impregnated cloth and kept clean and free of contaminants to prevent tracking on the outside of the probe, which could affect accuracy of the meter and/or failure, resulting in equipment damage, personal injury and/or death.

### NOTICE

Before operating this equipment, read, understand and follow all instructions contained in this manual. Keep instructions with equipment.

# **DESIGN and FUNCTION**

The VBI-15 is a direct contact voltage break indicator with an audible and visual alarm to indicate the absence of voltage, with an operating range from 7.2kV to 15kV (Line to Ground). The unit consists of an array of lights and an audible alarm to give the user a quick and clear indication that the overhead line has dropped below the threshold value of 2.5kV.

**NOTE 1:** In the “ON” position the voltage indicator should give a constant audible and visual alarm signifying the unit is operating properly before contact to the line is made(See Battery Instruction)

**NOTE 2:**

The VBI15 comes standard with an all thread binding adapter. This adapter is ideal for angled conductor spans and harsh wind environment so the unit will not move from the original placement.

## **Direct Contact Voltage Break Indication**

1. Thread appropriate adapter; all thread hook adapter or standard binding adapter.
2. Attach voltage indicator to appropriate length live line tool for voltage being tested.
3. Flip toggle switch to the other position; a constant audible and visual alarm indicates unit is in good working condition.
4. Make direct contact with the line or equipment to be tested. Constant audible-visual alarm indicates absence of nominal line voltage.
5. No audible-visual alarm indicates the presence of nominal line voltage.

## **Battery Instructions**

A standard 9 volt battery is located behind the quick change fitting. Standard slip joint pliers or crescent wrench can be used to remove this fitting.

- If the unit is turned on and the horn is operating but the lights are not, the battery needs to be replaced.
- When the unit is turned on and hanging on an energized line, the unit consumes only a few micro amps, resulting in several years of battery life in this situation.

## **Parts and Accessories**

<b>Part No.</b>	<b>Description</b>
3402	Grip all adapter "GA"
3403	Universal adapter "U"
8128TLHM	SS all thread hook adapter
8128TLBM	SS all thread binding adapter
VDA18B	18" storage box with foam padding
PD50AB	Ballistic nylon storage bag

## **Warranty**

This product is warranted to be free from defects in workmanship and material, under normal use and service conditions for a period of one year.

### **Bierer & Associates Inc.**

Manufacturing & Repair

11142 Wilson Blvd.

Blythewood SC 29016

Tel: (803) 786-4839

Fax: (803) 786-5457

**BiererMeters.com**

