
 <p><b>HIGH VOLTAGE INSTRUMENTS LTD</b> T&amp;R Test (Holdings) Ltd. Company</p>	<p>High Voltage Indicators Model: HVI</p>
<p>Edgumbe</p>	

## Introduction

The High Voltage Indicator (HVI) is used to indicate the presence of voltage to ensure the safety of maintenance or installation personnel allowing the apparatus to be safely earthed. Voltage up to 15kV AC or DC, on busbars or within switchgear enclosures will be shown by means of neon indicators. When used within switchgear special bent end adaptors, 60° or 90°, are available as accessories.

A battery powered electronic proving unit is available to allow the fully assembled indicator to be tested at site before and after use.

 <p>HVI-F0357A – Indicator Kit</p>	<p>Each complete HV Indicator kit comprises:</p> <ul style="list-style-type: none"> <li>• Indicator complete with earth lead</li> <li>• Proving unit complete with batteries</li> <li>• Polymer cleaning Kit</li> <li>• Instruction Manual</li> <li>• Carry Satchel</li> </ul> <p>Individual items can be supplied separately</p>
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## Operation & Features

After carrying out a proving test the HVI can be applied to the HV source, and the neon indicators will show whether there is voltage present. The indication will start as low as 200V by means of flashing neon lights which will gradually increase their rate of flash until steady state is reached at 6.35KV (the phase to earth voltage on an 11kV system).

- Small and compact for use in confined spaces
- High immunity to interference fields
- Utilises proven resistor chain method of measurement
- Clear safety limit marks
- Operator hand guard with viewing window
- Automatic battery check on Proving Unit
- Indoor and outdoor use (dry conditions)
- Operating temperature range - 5°C to + 50°C
- Can be used on DC systems



HVI - Switchgear Testing



HVI Indicator

**High Voltage Indicator**

Range: 0.2 to 15kV 50/60HZ and DC  
 Circuit Current: 0.4mA nominal at 15kV  
 0.293mA nominal at 11kV  
 Dielectric Test: 20kV for 1 minute  
 Length: 485mm  
 Diameter: 32mm  
 Weight: 0.6kg



HVI Proving Unit

**Proving Unit**

Output Voltage: 300V DC nominal  
 Batteries: 2 off C cells, IEC R14 or LR14  
 Battery Low: 2V DC nominal  
 Length: 255mm  
 Diameter: 37mm  
 Weight: 0.4kg

**Optional Accessories**



Bent End Adaptors

**Bent End Adaptors**

Adaptors with a 60° or a 90° bend are available  
 Length: 675mm  
 Weight: 0.27kg

High Voltage Instruments Ltd policy is one of continuous development and hence we reserve the right to change specification / design without prior notice



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