

	High Voltage Indicators Model: HVI
Edgcumbe	

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

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



Indicator Neon Operation



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



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

