

## Introduction

The Live Line Tester Kits (LLT) have been specifically designed to perform measurements for both live voltage testing and phasing on overhead lines, in substations and within switchgear compartments. The kit includes all necessary components to effectively carry out these tests. All components are housed within a heavy duty carry case with secure compartments. Individual kits are available for system voltages of 3.3kV, 6.6kV, 11kV, 13.8kV and 33kV (50/60Hz). Made from high quality fibreglass rods and polycarbonate mouldings the equipment is suitable for both indoor and outdoor use – including wet conditions. The equipment has been designed to operate within the temperature range: - 25°C to + 50°C.

Designed to comply with the requirements of IEC1243 part 2, the LLT uses long established techniques for high voltage measurement. All readings are displayed on an analogue meter – the housing of which can be rotated through 240 degrees to ensure a perfect viewing position. A battery-operated proving unit allows the equipment to be tested before and after measurements have been made and can also be used to check full scale deflection on the meter. Adaptors are available to allow Bowthorpe Rods to be connected for testing of raised conductors and a Repeater Station can be supplied to replicate meter readings at ground level. Space is reserved in the carry case for such accessories.



LLT 33kV Kit

Each kit comprises the following ;

- Live line tester with earth lead
- Phasing rod with phasing lead
- 2 extension rods
- 2 bend end adaptors
- 2 overhead line adaptors
- Proving Unit with batteries
- Polymer Cleaning Kit
- Instruction manual

Individual items can be supplied separately



Overhead Line Testing



Switchgear Testing



11kV Tester

<b>Tester</b>	3.3kV	6.6kV	11kV	13.8kV	33kV
Resistor Chain	22.5MΩ	52.5MΩ	75MΩ	100mΩ	225MΩ
Measuring Range	5kV	10kV	15kV	20kV	40kV
Accuracy	±5% FSD				
Movement	100uA TB				
Length:	1025mm (3.3-13.8kV)				1200mm
Weight:	1.4kg (3.3-13.8kV)				2.3kg



11kV Phasing Rod

<b>Phasing Rod</b>	Resistor Chain	as per Tester
Length:	1025mm (3.3-13.8kV)	
Weight:	1.4kg (3.3-13.8kV)	
		1200mm
		1.6kg



11kV Extension Rod

<b>Extension Rod</b>	
Length:	907mm
Weight:	0.65kg



Proving Unit

<b>Proving Unit</b>	Voltage Output 3 to 5kV
Dimensions:	185 x 145 x 120 mm



<b>Bent End Adaptor</b>	
Length:	675mm
Weight:	0.27kg



<b>Over Head Line Adaptors</b>	
Height:	100mm
Weight:	0.08kg

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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