

Live Line Testers Model: LLT

Edgcumbe

™Metrohm®

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.



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

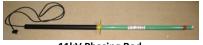


11kV Tester

		. 0			
Tester	3.3kV	6.6kV	11kV	13.8kV	33kV
Resistor Chain	22.5M Ω	$52.5 \text{M}\Omega$	$75 M\Omega$	100m Ω	225M $Ω$
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

Phasing Rod Resistor Chain as per Tester

Length: 1025mm (3.3-13.8kV) 1200mm Weight: 1.4kg (3.3-13.8kV) 1.6kg



11kV Extension Rod

Extension Rod

Length: 907mm Weight: 0.65kg



Proving Unit

Proving Unit Voltage Output 3 to 5kV Dimensions: 185 x 145 x 120 mm





Length: 675mm Weight: 0.27kg



Over Head Line Adaptors

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





1 Wellfield Court Ibrox Business Park Glasgow, G51 2JR UK

Tel: +44(0)141 440 5800 Fax: +44(0)141 404 2561

High Voltage Instruments Ltd

web: www.hvil.co.uk e-mail: sales@hvil.co.uk