



Live Line Testers Model: LLT

Edgcumbe

<u>ω</u>Metrohm<sup>®</sup>

## 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.

Tel.: 03303 / 50 40 66

Fax.: 03303 / 50 40 68



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 Lir	ne Testing
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11kV Tester

**Switchgear Testing** Tester 3.3kV 6.6kV 11kV

**Resistor Chain** 22.5M $\Omega$  52.5M $\Omega$  75M $\Omega$ Measuring Range 5kV Accuracy ±5% FSD

10kV 15kV

 $100m\Omega$   $225M\Omega$ 

13.8kV

20kV 40kV

Movement 100uATB

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

1200mm 2.3kg

1.6kg

33kV

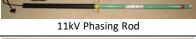


**Phasing Rod** Length:

Resistor Chain 1025mm (3.3-13.8kV)

as per Tester 1200mm

1.4kg (3.3-13.8kV) Weight:



**Extension Rod** 

Length: 907mm Weight: 0.65kg



11kV Extension Rod

**Proving Unit** 

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





Length: 675mm Weight: 0.27kg



Over Head Line Adaptors

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Height: 100mm Weight: 0.08kg