



# Datasheet



0370 330 6021  
[www.sunbeltrentals.co.uk](http://www.sunbeltrentals.co.uk)

The Metrohm Live Line Tester utilises a long established technique to detect and measure high voltages and to perform phasing tests. The tester incorporates modern, high quality fibreglass rods and polycarbonate mouldings to give a tough, compact construction.

Units are available for high voltage systems from 3.3kV to 33kV, 50/60 Hz and a wide range of accessories are available to facilitate their use on overhead lines, in switchgear and in substations.



## Product Features

- Dual purpose: H.V. detection and phase comparison
- Self powered operation
- Positive phasing test
- High voltage measurement
- Robust construction
- High quality fibreglass rod
- Suitable for indoor and outdoor use
- Proving and repeater units
- Easily dismantled for storage
- DC. version available
- Full range of accessories
- High immunity to interference fields

# LLT

live line tester



# high voltage

LLT

live line tester

high voltage

## Model Description

LLT 1  
LLT 2full kit - 3.3kV, 6.6kV, 11kV, 13.8kV  
full kit - 33kV

## Full Kit Includes

1 x tester, 1 x phasing rod, 2 x std bent end adaptors, 2 x head line adaptors, 1 x proving unit  
1 x carry case, all leads, cleaning kit & operating instructions.

## Electrical

Tester	3.3kV 6.6kV 11kV 13.8kV 33kV
Resistor Chain Value:	22.5MW 52.5MW 75MW 100MW 225MW±5%
Measuring Range:	5kV 10kV 15kV 20kV 40kV
Accuracy:	±5% of FSD
Movement:	100µA taut band suspension
Phasing Rod Resistor Chain Value	As for tester
Repeater Unit Measuring Range:	As for tester
Accuracy:	
Movement:	
Proving Unit Battery:	8 X 1.5V IEC R20 or equivalent
Battery Consumption:	<200mA on high voltage generation with
High Voltage Output:	12V supply
Low Voltage A.C. source:	3 to 5kV D.C. at 100µA max. current Variable 0 to 200µA at 50Hz nominal with a short circuit current of <1mA

## Mechanical Specifaction

Tester	3.3kV to 13.8kV 33kV
Length:	1025mm x 1200mm
Weight:	1400gms x 2300 gms
Material:	Moulded polycarbonate, resign bonded fibreglass
Meter Housing Adjustment:	Aluminium/stainless steel and PVC
Phasing Rod:	340 stop to stop
Phasing Rod	3.3kV to 13.8kV 33kV
Length:	1025mm x 1200mm
Weight:	1400gms x 1600 gms
Material:	Moulded polycarbonate, resign bonded fibreglass Aluminium/stainless steel and PVC
Extension Rod	3.3kV to 13.8kV 33kV
Length:	907mm x 907mm
Weight:	650gms x 700 gms
Material:	Moulded polycarbonate, resign bonded fibreglass Aluminium/stainless steel and PVC

## Hot Rod Adaptor

Length:	300mm
Weight:	1350gms
Material:	resign bonded fibreglass Aluminium/stainless steel and PVC

## Bent End Adaptor (Standard)

Length:	675mm
Weight:	270gms
Material:	Moulded polycarbonate & stainless steel

## Bent End Adaptor (Short)

Length:	480mm
Weight:	200gms
Material:	Moulded polycarbonate & stainless steel

## Overhead Line Adaptor

Height:	480mm
Weight:	200gms
Material:	Aluminium/stainless steel

## Repeater and Proving Units

Case Dimensions:	185 x 145 x 120mm
Case Material:	Moulded ABS
Vibration Resistance:	To IEC 68-2-1
Drop Resistance:	To IEC 68-2-32
Shock Resistance:	To IEC 1243, Part 1 Clause 6.5.5

## Environmental

Operational Temperature:	-25C to +50C
Wet Testing:	To IEC 1243, Part1
Cold Temperature:	To IEC 68-2-1
Dry Heat:	To IEC 68-2-2 To IEC 68-2-3

LIST OF EQUIPMENT	
PRODUCT	PART NO.
Tester c/w earth cord	F0262B F0264B F0266B F0268B F0267B
Phasing rod c/w phasing lead	F0263B F0265B F0269B F0261B F0259B
Bent End Adaptor	DFH5028 DFH5028 DFH5028 DFH5028 DFH5028
Extension Rod	DFH5002 DFH5002 DFH5002 DFH5002 DFH5002
Bowthorpe rod adaptor c/w lead	DFK0112 DFK0112 DFK0112 DFK0112 DFK0112
Overhead line adaptor	DFK5000 DFK5000 DFK5000 DFK5000 DFK5000
Proving unit c/w leads	FOP01B FOP01B FOP01B FOP01B FOP01B
Repeater unit	FOP02B2* FOP04B2* FOP01B2* FOP03B2* FOP02B2*
Carry case 1	CMP5009 CMP5009 CMP5009 CMP5009 CMP5009
Carry case 2	CMP5008* CMP5008* CMP5008* CMP5008* CMP5008
Carry bag	CMP5010* CMP5010* CMP5010* CMP5010* CMP5023*

\* NOT supplied as standard with each kit.

Spirent Communications (Scotland) Ltd policy is one of continuous development and hence we reserve the right to change specifications/design without prior notice.



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INVESTOR IN PEOPLE

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high voltage

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## LOCATIONS

### LONDON, HEATHROW

#### Sunbelt Rentals UK Test & Monitoring

242-252 London Road, Staines, London TW18 4JQ

0333 122 3126

[www.sunbeltrentals.co.uk/find-a-depot/london-heathrow](http://www.sunbeltrentals.co.uk/find-a-depot/london-heathrow)

### REDCAR

#### Sunbelt Rentals UK Test & Monitoring

Unit 5 Kirkleatham Business Park, Redcar TS10 5SQ

0370 330 6021

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### STOKESLEY

#### Sunbelt Rentals UK Test & Monitoring

2 Ellerbeck Way, Stokesley Business Park, Stokesley, North Yorkshire TS9 5JZ

01642 718 900

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