

The Metrohm Live Line Tester utilises a long established technique to detect and measure high voltages and to perform phasing tests. The tester incorporates modem, 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 full kit - 3.3kV, 6.6kV, 11kV, 13.8kV
 LLT 2 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 Specification

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

PRODUCT	PART NO.				
	up to 3.3kV	up to 6.6kV	up to 11kV	up to 13.8kV	up to 33kV
Tester c/w earth cord	F0262B	F0264B	F0266B	F0268B	F0267B
Phasing rod c/w phasing lead	F0263B	F0265B	F0267B	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	FOP02B12	FOP04B12	FOP01B12	FOP03B12	FOP02B12
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.



Registration 901309

INVESTOR IN PEOPLE

DUK0015 Issue1 11/02

Spirent Communications (Scotland) Ltd
 Hamilton International Technology Park
 High Blantyre
 Glasgow, G72 0FF
 Scotland
 U.K.

Phone: +44(0)1698 723400
 Fax: +44(0)1698 723401

E-Mail: sales@metrohm.net
 Web: www.metrohm.net

high voltage