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DATA-SHEET



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TEST EQUIPMENT

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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	
	Repeater Unit:	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 68-2-2
 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	F0269B	F0299B
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	FOR02B12	FOR04B12	FOR01B12	FOR03B12	FOR02B12
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

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TEST EQUIPMENT

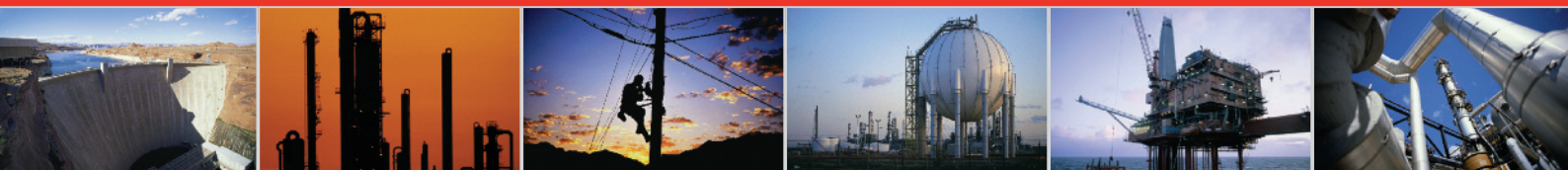
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high voltage

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Honest advice, just a phone call away.

If we don't have a particular item, rather than hiring you something that won't do the job, we would rather direct you to an alternative supplier. You will always be provided with full instructions and if you still need help, call our technical team on Nationwide Low Call 0333 6000 600. Our aim is to save you time, frustration and money.

Top quality equipment from major manufacturers.

With Inlec you'll get the most accurate, reliable and well-maintained equipment available. Prices are regularly reviewed to ensure you always enjoy the best value for money. We have made a significant investment in test equipment so we ensure that it's well packed to minimise damage and delay.

We really do listen to you.

You won't waste your time contacting Inlec. Every request for equipment is logged and carefully considered. Listening to our customers helps keep our product range up to date and relevant. If you are unhappy about any aspect of our service please let us know so we can put it right.

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1 GUARANTEE SAME DAY DESPATCH

We understand why prompt delivery is important to you. So, if we confirm your order before 3pm, you are guaranteed same day despatch.

2 OUR PRICE GUARANTEE

Inlec guarantee you real value for money. Our price match policy is simple - if you can hire the same product for less elsewhere, we guarantee to match that price and reduce it by a further 10% of the difference - and still deliver our industry leading technical and customer support.

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3 TOP QUALITY GUARANTEED

All equipment is thoroughly checked prior to dispatch to ensure you receive it in full, safe working order. Your shipment will be securely packed and include manufacturer's instructions, accessories or consumables and a valid calibration certificate where appropriate. In addition, Inlec offer a 24 hour replacement service if you decide the equipment is not suitable for your application*.

4 FRIENDLY, KNOWLEDGEABLE ADVICE GUARANTEED

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*subject to availability and conditions

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