

Product Specification for Leakage Current Meter/ Analyzer for Surge Arrester		
Specification	Sub-Spec	Value
Generic	On-line Leakage Current Monitor complying to	B2 Method of IEC 60099-5 Edition-1.1 & IEC 60099-5-A1 method (Peak voltage based).
	Principle of Measurement	3rd Harmonic Resistive Current with compensation for harmonics in system voltages
	Item	Leakage Current Analyzer
Additional Accessories	Laptop Specifications	Laptop (Latest version) with preloaded software for analyzing the test results and recording various parameters to be supplied. Intel i5 or higher, OS: Win11 professional or latest, 12 <sup>th</sup> Gen or latest, RAM:16GB or higher, Hard disk: 512GB or higher, Brand: Equivalent in Sony/HP/Lenovo/Dell/Acer
Technical Specifications	Battery Backup	Minimum 12 hour
	Memory	Storage capacity of 1000 results
	Resolution	0.1 $\mu$ A
	Field Probe Current Range	1 $\mu$ A to 1 mA
	Printer	58mm Inbuilt Thermal Printer
	Accuracy	Value +/- 1%, +/- 1 $\mu$ A
	IP Protection	IP 54 (Open Lid), IP 67 (Closed Case)
	Mains Supply	100-270V AC, 50 / 60Hz +/- 10%, 1 Phase
	Total Leakage Current Range	1 $\mu$ A to 10 mA
	PC Connectivity	Through USB Port
	Internal Battery-Main Unit	11.1 V / 2200mAh Internal Rechargeable battery
	Charging Time	2 hour(from zero to full charge)
	Display	4 line x 20 character large backlit LCD with large font
	Resistive Leakage Current Range	1 $\mu$ A to 10 mA
	Wireless Clamp on CT and Field Probe	Yes
	Inputs	wireless External Clamp-on CT, wireless Field Probe, Optional External PT input (110V AC)
	Self-calibration Check	Built-in standard calibration source and self-calibration check facility
	Temperature Sensor	Inbuilt Platinum Resistance Thermometer with measurement range of -20 deg C to 55 deg C
	Internal Battery-Field Probe Unit	11.1 V / 1150 mAh Rechargeable Battery
	Internal Battery-CT Unit	11.1 V / 1150 mAh Rechargeable Battery
	Power	Battery as well as mains supply
	Compensation	Automatic for System Harmonics, Temperature & System Voltage

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Additional Information	Features	USB communication port to transfer data to PC and Windows based PC Downloading & Analysis Software, Facility of extending CT & Field Probe signal to external oscilloscope, Facility for testing of GISL As available optionally, Simple, lightweight and portable, Suitable for in-service/online measurements of the 3rd harmonic resistive leakage current of gapless metal oxide surge arresters (MOSA) in Live switchyard up to 765KV, Inbuilt cooling arrangements
	All the accessories including Probes and Connecting Leads should be properly screened to nullify the effect of interference of Switchyard	Yes
	Accessories	<ul style="list-style-type: none"> <li>Specially designed low noise, wireless Clamp-on CT, with internal dia <math>\geq 75\text{mm}</math> and wire less Field probe,</li> <li>Current probe built in temperature sensor</li> <li>Telescope rod of fiber glass for mounting the field probe at the base of the LA</li> <li>Transport case for housing all the accessories and transportation</li> <li>THERMALPAPER ROLL (10 no)</li> <li>External instrument battery charger, SA Data PC Downloading &amp; Analysis Software, Data cable (USB) for connection of the kit to a PC</li> <li>Calibration Probe</li> </ul>
	Smart protections	Alarm & cutoff against improper ground, Transient Surges, Overload, Overvoltage, Short Circuit
	Debugging feature	RF communication check, Bat status check, Printer Check, Downloading check, Kit Self check
	Operating Temperature	-10 deg C to 55 deg C
	Relative Humidity	Up to 95% RH (Noncondensing)
Warranty/ Service	Supplier shall have adequate After Sales Services facility in India	Yes
	If the kit needs to be shifted to suppliers works for repairs within warranty/ guarantee period, suppliers will have to bear the cost of spares, software, transportation of kit for repair at test lab or works	Yes

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	All the materials including accessories, cables etc. shall be covered under this warranty/guarantee period	Yes
	Certification number and date	CE-BSLP-20-281201
Certifications and Standards	Manufacturer quality certification	ISO
	Type Testing	As per IEC 60068 / IS 9000 for Dry Heat, Damp Heat, Change of Temperature, Bump, Vibration and Mechanical Shock
	Certification of products	CE
	EMI/EMC standards	EMC Directive: 2014/30/EU, Standard: EN61326-1:2013
	ISO Certification number and date	US-50301
	Safety Standards	Low Voltage Directive: 2014/35/EU, Standard: EN 61010-1:2010 (3 <sup>rd</sup> Ed.)
Certifications and Standards	Copies of all certificates and test reports to be furnished to buyer on demand at time of supplies	Yes
Reports	Availability of test reports and calibration certificates to prove conformity of products to the specification	NABL Accredited Lab
Training	Training	Training to be given on Testing equipment to Consignee at his preferred site

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