LUMETRONICS
Test & Measuring Equipment

- Custom built Test Equipment
- Photometry
- Safety & Compliance
- Physical & Material
- Electro-Mechanical
- Environmental
- Calibration Services

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LUMETRON TF-24 Series Accessibility Test Probes

LUMETRON TF-Series Accessibility Test Probes are designed to perform tests specified in many standards to determine compliance with safety requirements. One aspect of safety in electrical appliances is ensured if an accessible part is not live or a live part is not accessible (ACCESSIBLE PART = Conductive part that can be touched by human fingers). Checking whether a part is live or not is, therefore, necessary to ensure Safety. This test also allows the IP protection classes from IP1X to IP4X to be determined. Rigid Test Finger, Flexible Test Finger, Test Pin, Long Test Pin & Test Cone are different types of mechanical test probes that are normally employed to measure & check the accessibility of any conductive part. A control unit comprising audio & visual fault indicators is also used along with the probes to indicate access. The probes are precision machined and fabricated to maintain the accurate tolerances specific in the standards.

The test for human access is a primary & important test to verify the quality & electrical safety characteristics of products as required by national & international regulatory agencies such as BIS, UL, CSA, VDE, DIN, IEC, BSI, etc. Accessibility probes are used to test domestic electrical appliances, electrical wiring accessories, electro-medical equipment, luminaires, motors & other mains operated equipment.

Features

* Precision engineered and machined high accuracy test probes.
* Rigid Test Finger LUMETRON TF-24-1 with Newton force indication of 30 N, 50 N and 75 N.
* Flexible Jointed Test Finger LUMETRON TF-24-2 with precise dimensions.
* Machined from solid brass blocks and plated for high conductivity, long life and to prevent tarnishing.
* High impact engineering plastic body with insulating guard and recessed 4 mm electrical socket.
* Optional Analog DIN sized voltmeter on control panel LUMETRON TF-24-CP to indicate test voltage.
* Audio and visual fault alarm.
* Supplied with a set of 4 mm leads to enable connection of probes to the control panel.
* Custom Built Test Probes as per specific requirements of IEC, BS, UL, BIS or other standards can be supplied such as Test Hooks, Test Pins, Test Cones, Test Chains, Bayonet lamp holder test probes, UL web stop probes, Test plugs etc. Please inquire separately.

Specifications

Accessibility Test Control Panel – LUMETRON TF-24-CP

Output Voltage	: 45 ~ 50 V AC, 50 Hz, 4mm sockets to allow connection to various probes.
Volts Accuracy	: ± 2.5 % of range
Metering	: Voltmeter, Analog, 72 mm sq. DIN.
Indicators	: Mains On Fault (Audio & Visual)
Protection	: Mains Fuse, 0.1 A
Supply	: 230 V AC, 50 Hz, single phase or other International Voltage / Frequency ratings as required.
Size (mm)	: 320 W x 200 D x 115 H (size of carrying case with storage compartment for one probe and leads)

Models

Lumetron TF-24-1	IEC Unjointed Test Probe
Lumetron TF-24-2	IEC Jointed Test Probe
Lumetron TF-24-2S	IEC Jointed Test Probe, with Circular Stop Plate
Lumetron TF-24-3	Standard Test Cone
Lumetron TF-24-4	Standard Taper Test Pin
Lumetron TF-24-5	Long Taper Test Pin
Lumetron TF-24-H	Test Hook
Lumetron TF-24-C	Test Chain
Lumetron TF-24-B	Blunt End Probe
Lumetron UL-PA-100	UL Jointed Test Probe
Lumetron TF-24-6	3 mm Probe (Preset controls test)
Lumetron TF-24-7	4 mm Probe (Hazardous Live Parts test)
Lumetron TF-24-8	Rigidity Test Rod Probe
Lumetron TF-24-9	Uninsulated Live Parts Test Probe
Lumetron TF-24-10	Telecommunications Test Probe
Lumetron TF-24-11	Hazardous Moving Parts Probe
Lumetron TF-24-12	Sphere, 50mm diameter, with guard and handle (IEC529 Tb VI)
Lumetron TF-24-13	Test Rod, 2.5 mm diameter, 100mm long (IEC 529 Tb VI)
Lumetron TF-24-14	Test Rod, 1.0 mm diameter, 100mm long (IEC 529 Tb VI)
Lumetron TF-24-15	Sphere, 12.5mm diameter (IEC 529 Tb VII)
Lumetron TF-24-16	Sphere, 50mm diameter (IEC 529 Tb VII)
Lumetron TF-24-CP	Control Panel for Accessibility Test

on the web @ www.lumetron.com