



## LUMETRON SIT-50 Spring Operated Impact Hammer



The **LUMETRON SIT50 Spring Operated Impact Hammer** from **Lumetronics** is designed and manufactured to perform the test specified in many standards to determine compliance with requirements concerning Mechanical Strength. Mechanical strength test to verify the quality & safety characteristics of products, as required by national & international safety regulatory agencies such as BIS, UL, CSA, VDE, BSI, DIN, IEC, etc can be conducted with this equipment. The Impact Hammer test is designed to ensure that the test specimen will withstand rough handling that may be expected in normal use. Protection against mechanical damage can be checked by applying blows with the Impact Hammer.

It is a precision engineered test instrument. Its construction confirms and calibration confirms with the requirements of

IEC-817 and other international and national standards. The instrument uses precision components for accurate results in laboratory or field use and can be used to test Electrical Appliances, Electrical Wiring Accessories, Luminaires, Connectors, etc. It is supplied with calibration report & comprehensive users manual. Several models are available.

### Features

- \* Precision engineered test instrument manufactured according to the relevant standards.
- \* Consists of Body, Striking element and Release cone having calibrated mass and dimensions.
- \* Three models with Single, Dual or Multiple impact energy options.
- \* Polyamide hammer head of specified hardness.
- \* Supplied in a compact carrying case.
- \* Precisely calibrated using IEC specified techniques. (For details, refer to IEC-817 -1984 for the calibration details and equipment)

### Specifications

MODEL	RANGE	TYPE	ACCURACY
<b>LUMETRON SIT-502</b>	: 0.22 Nm	Single Range	± 0.02 Nm
<b>LUMETRON SIT-503</b>	: 0.35 Nm	Single Range	± 0.03 Nm
<b>LUMETRON SIT-505</b>	: 0.50 Nm	Single Range	± 0.04 Nm
<b>LUMETRON SIT-507</b>	: 0.70 Nm	Single Range	± 0.05 Nm
<b>LUMETRON SIT-501</b>	: 1.00 Nm	Single Range	± 0.05 Nm
<b>LUMETRON SIT-50D</b>	: 0.50 & 1.00 Nm	Dual Range	Refer specs. above
<b>LUMETRON SIT-50M</b>	: 0.22, 0.35, 0.50, 0.70 & 1.00 Nm	Multi Range	Refer specs. above
Calibration	: As per IEC-817 -1984		
Weight of Body	: 1.250 kg, ± 0.010 kg		
Weight of Striking Element	: 0.250 kg, ± 0.001 kg		
Weight of Release Cone	: 0.060 kg, ± 0.001 kg		
Hammer Head Radius	: 10 mm, ± 0.2 mm		
Hammer Head Hardness	: R100 (Rockwell hardness scale)		
Dimensions	: 51 mm diameter x 320 mm long without actuating		

