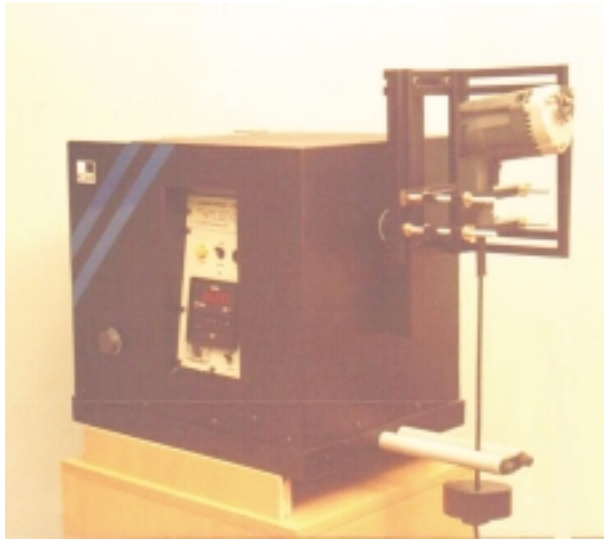




LUMETRON CGF-45 Cord Guard Flexing Apparatus



The **LUMETRON CGF-45 Cord Guard Flexing Test Apparatus** from Lumetronics is designed & manufactured to perform the test specified in many standards to determine compliance with safety requirements related to cord guard flexing. It can be used to test cord guards in Electrical Appliances, Portable Power Tools & other similar equipment & is designed to meet the requirements of several international and national standards.

The equipment has a rugged construction to afford mechanical stability. It is fully powder coated for long term protection. Its compact size allows it to be mounted on any laboratory workbench. All essential tools & spares are provided with the equipment along with a set of calibrated weights. A storage drawer allows these to be stored & retrieved conveniently.

The test sample holder is fully adjustable & allows various types of test samples to be quickly loaded with ease. Further, the test sample can be turned by 90° by rotating the test sample holder without disturbing the test sample settings.

The control panel is conveniently located for ease of operation. A six digit presetable counter provides a readout for the number of flexings on a bright red display. The counter has battery backup & will retain the elapsed value even in the event of power failure. The sensing of flexings is done with an electronic non-contact Proximity Sensor which does not have any moving parts. This ensures long term reliability of the counter.

Features

- Precisely made to confirm with relevant standards.
- Rugged heavy construction with sturdy main frame for mechanical stability.
- Flexing angle of 45° on either side of vertical datum.
- Fully adjustable test sample holder can be used for most types of test samples.
- Test sample can be rotated through 90° by turning the test sample holder.
- Accurately calibrated set of weights.
- Digital Presetable six digit counter with battery back up & non-contact Proximity sensor.
- Audio & Visual alarm for End of Test.
- Manual & electrical Jog functions for alignment / verification before start of test
- Micro switch backup option for flexing counting for added reliability in the event of sensor failure.
- Adjustable leveling feet for proper installation.

Specifications

Type	: Cord Guard Flexing Apparatus
Flexing Rate	: 60 per minute, ± 3
Flexing Angle	: 45° from vertical on either side
Max. Specimen weight	: 8 kgs.
Set of Weights (Kgs)	: 2.000, 1.9 + Fixing Clamp (2.000kg total), 1.000, 0.500, 0.200, 0.200, 0.100
Motor rating	: ¼ HP, 230 V AC, 50 Hz, 30 rpm geared motor.
Counter	: Digital, Presetable, 6 digits, with memory.
Sensor	: Non contact Proximity Sensor. (Backup by Micro Switch)
Indicators	: Mains ON END of Test audio & visual alarm
Supply	: 230 V AC, 50 Hz, 1 phase, 2 A max.
Weight	: 41 kgs approximate, excluding loading weights
Dimensions (in mm)	: 720 W x 420 D x 600 H overall, approximate(Without Sample Holder Bracket)

