



**GOPAL ELECTRONICS**

# Franklin Tester

## FT300-N1

*Catalogue*



# Overview

The FT300N1 Surface Insulation Resistivity Tester is a precision instrument designed to measure the surface insulation resistivity of electrical laminations with high accuracy and repeatability. Conforming to BIS 649, ASTM A717, and IEC 60404-11 standards, it features automated drilling, pressure control up to 900 PSI, and stabilized DC voltage application for consistent and reliable results.

The instrument operates through a simple user interface using physical buttons, keyboard, and mouse, with data output options via USB storage or thermal/inkjet printer. Its durable construction, easy operation, and precise measurement capability make the FT300N1 ideal for laboratory testing, quality control, and production monitoring of electrical steel laminations.

## Technical specifications

|                           |                                                                                               |
|---------------------------|-----------------------------------------------------------------------------------------------|
| Supply voltage            | 230 V AC max, 50 Hz $\pm 10\%$                                                                |
| Testing voltage           | 0.5V                                                                                          |
| Warmup time               | 30 minutes                                                                                    |
| Accuracy of Voltmeter     | 0.1% FSD                                                                                      |
| Accuracy of Ammeter       | 0.1% FSD                                                                                      |
| Test head                 | Equipped with 10 brass contacts, 2 carbide drills                                             |
| Total contact area        | 6.45 cm <sup>2</sup> $\pm$ 0.1%                                                               |
| input pressure            | 0 to 90 psi max (Pneumatic)                                                                   |
| Output pressure on sample | Up to 900 psi (default is 300 psi)                                                            |
| Sample size               | Recommended size=115mm x 280mm<br>Minimum size = 115mm x 200mm<br>Maximum size =200mm x 300mm |
| Instrument dimension      | Height = 73 cm<br>Width = 42.5 cm<br>Length = 52 cm<br>Weight = 93 kg                         |