

# DigiMic XT

**Generic Name** : Digital Fibre Fineness (Micronaire) Tester  
**Product #** : MAG - F0445 | **Test Category** : Cotton Fibre  
**Industry Usage** : Ginning and Spinning

**Features :**

- Determine the fineness value (linear density) of cotton fibres in terms of micrograms per inch to assess fiber quality and spinnability.
- Portable unit; automatic digital model.
- Simple and rapid in operation with reliable and repeatable results.
- Proven air flow principle, measured by micro-electronic pressure sensor for high accuracy.
- Built-in calibration mode, calibration by USDA or CIRCOT standard calibration cotton.
- Stable electronics; Micro-controller controlled menu based user friendly operating system.
- Alphanumeric LCD display screen with back-light illumination.
- Automatic sample ejection; Memory storage up to 1000 tests.
- \*Tool for sample extraction from kapas.



## TECHNICAL DATA

**Measuring Principle** : Airflow Method  
**Measuring Range** : 2.0 to 8.0 Micronaire (µg/inch); **Accuracy** : ± 0.1 Micronaire (µg/inch)  
**Testing Capability** : 150 tests per hour  
**Sample size** : 4 grams ± 0.01 gram  
**Result storage capacity** : 1000 test results  
**Weighing scale** : Capacity : 500 grams / Accuracy : 0.01 gram  
**Display** : Alphanumeric back-light LCD digital display  
**Power backup** : Built-in UPS, battery backed for more than 4 hours for easy mobility  
**Power supply** : Single phase 220vAC @ 50Hz; Charging consumption : 40 watts  
**Applicable standard(s)** : ASTM D1448, ISO 2403, BS 3181 & IS 3674  
**Physical Dimensions** : Size (WDH) : 430 × 200 × 250 mm  
 Weight : 12 Kg

## SCOPE OF SUPPLY

- 1) Main Unit** : - 1 No.,
- 2) Accessories** : Mains cord - 1 No., Weighing scale (Note book type) - 1 No. and Screw driver - 1 No.
- 3) Spares** : Glass fuse (3 Amps & 1.2 Amps) – Each 3 Nos.
- 4) Documents** : User's guide, Warranty certificate, Test certificate & Calibration certificate.
- 5) Consumables** : Standard calibration cotton - 2 Packets (Each pack 50 g of low & high Mic).

- Optional Supply** :
- 1) 'NanoGin' for sample extraction from kapas
  - 2) Add-on 24 column dot matrix mini printer (Battery operated) with interfacing cable
  - 3) MicSoft software to engage for data storage.
  - 4) Computer System with Laser printer and Online sine-wave UPS

## PRE-REQUISITES FOR INSTALLATION

Suitable working table, Properly earthed and Stabilized single phase 220vAC @ 50Hz, Test samples and Suitably qualified operator.

## OTHER AVAILABLE MODELS

**FibroMic XT and High Volume Fibre Testers**