

The WIRA Cotton Fineness and Maturity Meter has been designed to incorporate innovative features which allow the simultaneous testing of cotton fineness, micronaire, and maturity in one convenient operation. Results are given as maturity ratio, percentage mature fibres, fineness in millitex and micronaire value.

Method

A 2.5g, cleaned and opened sample of fibre is placed in the sample chamber. Air is drawn through the sample by a vacuum pump supplied with the instrument. Electronic sensors measure both the air flow and the air pressure from which the fibre fineness, micronaire and maturity is automatically calculated. Tests are automatically repeated at two different compressions and air-flow rates, in accordance with international test methods for cotton maturity.

Calibration is carried out in accordance with standard test methods using certified calibration cotton.

Optional temperature and humidity probe allows automatic recording of lab conditions.

Features

- Automatic testing at two different compression values
- Direct reading of results



- Automatic calculation of maturity and micronaire
- Compact user-friendly instrument
- On-board Microprocessor
- Ergonomically designed
- Electronic flow and pressure sensors
- 80-character liquid crystal display
- Soft touch keypad
- RS232 output to printer or PC

Conforms to:

BS 3181:Part1:1987(2002)

ISO 2403:1972

ASTM D 1448-97

BS EN ISO 10306:1995

Dimensions:

Width: 400mm

Depth: 560mm

Height: 240mm

Power Consumption: 750 W

Options:

PC Windows Software.

*Order code **FFM:SOFC***

Temperature and Humidity probe

*Order code **FFM:PRB***