

Fibre Fineness and Maturity Meter

The new generation 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.

A colour touch-screen makes the instrument even easier to use, making test procedures more efficient.

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 airflow 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

- *Colour Touch Screen*
- *Automatic testing at two different compression levels*
- *Direct reading of results*
- *Automatic calculation of maturity and micronaire*
- *Compact & user-friendly*
- *On-board Microprocessor*
- *Ergonomically designed*
- *Electronic flow and pressure sensors*
- *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: 450mm

Depth: 410mm

Height: 235mm

Power Consumption: 750 W

Options:

PC Windows Software.

*(Order Code **FFM:SOFC2**)*

Temperature and Humidity probe.

*(Order Code **FFM:PRB2**)*