



Find the average diameter of wool and other fibres quickly using the well proven air flow principle

The new generation Wira Fibre Fineness Meter incorporates a colour touch screen interface, making the operation even easier.

An on-board processor controls automatically the operation of the instrument and calculates test results for direct reading on the screen, and if required, relayed to a PC, using optional Windows software from where the results can be stored in an Excel file and reports printed.

Calibration

Each meter is calibrated using standard dry-combed tops available from Interwoollabs.

Calibration for dry combed tops is carried out in accordance with method 2 in test method IWTO-6-13. For the testing of loose wool core samples, the meter is calibrated using short randomised open fibre, prepared from standard tops

following the procedure in test method IWTO-28-13.

Special calibrations are available for the testing of fibres other than wool e.g. glass fibres, mineral fibres, cotton, cashmere, mohair etc.

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

Test Method

A 2.5g sample of fibres 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 airflow and the air pressure, from which the fibre diameter is automatically calculated.

Key Features

- ✓ *Colour Touch Screen*
- ✓ *Automatic calculation of values*
- ✓ *Direct reading of results*
- ✓ *Complies with latest IWTO recommendations*
- ✓ *On-board processor*
- ✓ *Ergonomically designed*
- ✓ *Electronic flow and pressure sensors*
- ✓ *RS232 output to PC*
- ✓ *Optional software to capture results and store as spreadsheet*
- ✓ *Full calibrated service available for existing instruments*

Conforms to:
BS ISO 1136:2015, IWTO-6-2013, IWTO-28-2013
Dimensions: 450mm (W), 410mm (D), 235mm (H)

Power Consumption: 750 W
Options: PC Windows Software.
Order Code: FFM:ELE2