

# FabriTe<sub>###</sub>

## Fabrics sorting made simple

Post-consumer textiles can come in all sorts of colours, textures and materials. If you want to recycle textiles efficiently and cheaply, how do you identify and sort them without having to read labels or resort to expensive lab testing?

## FabriTell is your small and speedy sorting tool.



- Non-destructive
- Takes seconds
- Identifies blends



With FabriTell, you can make use of laboratory standard infrared analysis techniques and cutting-edge machine learning algorithms, all in a desktop package that doesn't need a PhD in chemistry to be operated.

In seconds, your FabriTell equipped workers will reliably and quickly identify common natural, man-made and blended fibres across a wide range of common textures, knits and colours, including black and dark-coloured fabrics.

FabriTell is designed to be simple, rugged, and easy to use. You can power it via mains or with an optional external battery pack. Our patent-pending sensor system means that the sample only has to be placed on the sensor briefly to be measured. For additional analytics and data collection, you can also operate FabriTell devices with an accompanying mobile app.

We can customise our platform to help deliver your fabrics analysis needs. Contact us now to see how we can work together!

# Technical specifications

## Measurement principle

Near-infrared reflectance spectroscopy, operating in a band in the 1-2  $\mu\text{m}$  region. Infrared lamp built-in, expected life >40 000 hours. Infrared fingerprints are measured with our patent-pending sensor and identified with our proprietary algorithms.

## Fabrics supported

Common fabrics like cotton, polyester, polyamide, wool, silk and more. Specific materials can be added upon request.

## Blends supported

2-component blends of the above fabrics. Specific blends can be added upon request.

## Accuracy Expected

$\pm 5\%$  (standard deviation) for pure samples and  $\pm 10\%$  for blends.

## Measurement time

Between 0.5 and 2 seconds depending on the signal quality.

## Power

USB charger and cable included. Typical power consumption 5 W. External battery pack optional.

## Footprint

13x13x15 cm, 0.5 kg .

## Connectivity

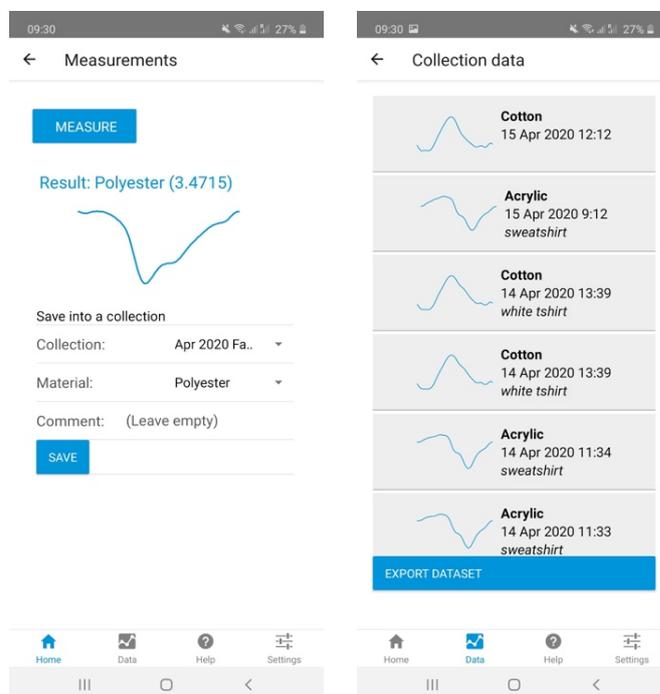
Wi-Fi (2.4 GHz), to receive updates and send data; Bluetooth LE to connect to a smartphone.

## Warranty

One year as standard.

## Mobile app

Our free app for iOS and Android can be used to configure the instrument as well as save and analyse data.



*To order your FabriTell, get in touch now at [hello@matoha.com](mailto:hello@matoha.com)!*