

# PORTABLE MOISTURE METER

The AK30 Portable Moisture Meter is a versatile tool for field and laboratory use with unique features.

## PRODUCT HIGHLIGHTS

- ▶ applications in pulp, paper and board industry, textiles, felts, filters, minerals, wood chips, sawdust, recycled fiber, waste paper, bio fuels
- ▶ surface moisture in thick samples, total moisture content in thin samples (abt. 150 µm penetration in paper products)
- ▶ large moisture range starting from 0%, up to about 70% and up with many grades
- ▶ fully portable and stand-alone, this is an easy-to travel companion, no wire tangles
- ▶ simple to use
- ▶ fast response, selectable digital filtering, 5 points per sec sampling
- ▶ superior stability, based on proven technology by Visilab
- ▶ operating distance: 0...7 mm or more, no contact required
- ▶ measuring area 10 mm in diameter allows for studies in small scale
- ▶ IP67 enclosure for harsh environments
- ▶ integral display and a diaphragm keyboard
- ▶ large calibration table library (100 tables) with rapid switching
- ▶ calibration with multiple points for linearization
- ▶ nonvolatile memory banks for holding several hundreds of sample data series with time stamp
- ▶ autotimer sampling, statistics for collected values
- ▶ graphic trend display for recent history; its data can be saved to a bank with a button press
- ▶ large numeric display and a graphic display, trend curve and values. Colour hue is associated with crossing preset moisture levels, high or low.
- ▶ display colours are user-adjustable for various operating modes: low intensity for power saving, high intensity for good visibility in difficult conditions
- ▶ optical head is inside a box giving full protection
- ▶ has a skid for measuring safely over moving webs and



running rolls, suitable also for corrugated and soft materials

- ▶ very long service interval of 12000 hours
- ▶ low noise level (typically < 0.03% stddev)
- ▶ wireless communication via 100 meter Bluetooth, also PC Bluetooth adapter included with software
- ▶ regular RS232 at 115200 is also available for PC's COM port
- ▶ the **IRMA7Basic** program is full data acquisition software for trend display, data archiving, manipulation, frequency analysis, etc. **IRMA7Mini** suits small laptops with a reduced set of features. The **AK30** and **AK30Mini** programs are most optimized software for this meter. **Advanced** is an optional licensed program with plenty of features. Other software are free.
- ▶ an operating period of at least 4 hours before recharging the battery, charge indicator LEDs
- ▶ battery charger for 110 - 240VAC mains is included
- ▶ dimensions 180x80x100 mm, weight 500g
- ▶ the price is very competitive and the payback time is usually short

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**Visilab Signal Technologies Oy**  
Keskustie 15, FI-07560, Pukkila, FINLAND  
Tel. +358-45-6354885  
[www.visilab.fi](http://www.visilab.fi)  
e-mail: [sales@visilab.fi](mailto:sales@visilab.fi)