

MK30LP - ON-LINE MOISTURE METER FOR THICK MATERIALS



Model MK30LP

- Thin structure allows fitting to tight places, thickness 15 mm
- Designed for thick materials like pulp, paper and corrugated board
- Penetrates deep into matter but can measure sheets
- Excels with difficult materials like black papers and corrugated
- Suitable for static samples, stacks and running production lines
- Most versatile for pilot machines and research instruments studying coating, drying and glueing
- Laboratory and field, QC, research and troubleshooting
- Simple to use, accurate readings, excellent repeatability
- Very wide moisture range
- Data displayed and configuration in the PC program
- Data transfer via RS232/485 and analog signals
- Operates with safe UHF radio waves

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Main Features and Applications

- applications in pulp, paper and board, textiles, felts, filters, recycled fiber, packaging papers etc.
- suitable also for **corrugated** and **soft materials**
- unbeatable for **black papers**
- moisture of thick and thin samples, moisture content in % (abt. **30 mm penetration in common materials**)
- wide moisture range starting from about 1 %, up to about 30 % depending on BW
- easy to install, easy to move to another spot
- fast response, selectable digital filtering, 3 or 40 points per sec sampling depending on configuration
- superior stability, based on radio frequency technologies (UHF)
- the price is very low

Data logging features

- operating distance: **contact required**
- measuring area 24 x 105 mm, depth to 30 mm
- low noise level even at high moistures
- a built-in skid for measuring safely over moving webs. It two rollers for removing heat and friction from the incoming web edge
- measurement modes: DRY / WET for water content range for optimum results
- water content in % total
- calibration with multiple points for linearization (2 - 10 points)
- **Note:** Does not operate for materials containing significant amounts of **soothe, metal particles, metal films** or **Titanium oxide** pigment

Interfaces and physical properties

- regular one analog 5 Volt output, optionally four of them, for each important signal
- RS232/485 cable communication RS232-USB adapter for the PC included
- dimensions 300x120x15 mm, weight 0.8 kg
- IP67 enclosure for harsh environments
- the free **MK30LP** program is data acquisition software for trend display, data archiving, manipulation etc.
- meter configuration can be saved, meter starts the next session like that. Temporary changes are not saved.

Options

- **-DUAL** has two sensors which can be some distance away from each other. **SINGLE** has one sensor
- **-CARMK** a special carrying case, water tight, shock-proof
- **-STDMK** a polymer plate for verifying the calibration in long-term use (any stable plastic will do)
- extra connectors for analog outputs and terminal connection
- **LAN485** a communications bridge for acquiring data from up to 30 MK30LP. Can be used for other data communications via RS485. LAN485 is able to supply 24 Volt power to each sensor

Ambient conditions

- operating + 10 ... + 40 C
- fully temperature compensated
- IP65 case
- sensing surface can be cleaned if dirt accumulated
- service interval of 200 000 hours

Your nearest contact:

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