PROCESS SENSORS

Moisture sensors

Microwave	Type	Moisture range	Depth	BW range	Working distance / Spot size	Notes
MK30LP RS485	On-line/portable	3..100 %	5 mm	> 40 g/m2	0 mm, contact / 10 mm	All papers and felts, low-cost model, RS232,
MK30LP-CT	On-line/portable	4..100 %	3 mm	-	0 mm, contact / 4 mm	Pulp and special cellulose mixtures, RS232, RS485, USB. A display version
MK30LP-CTB	On-line/portable	4..100 %	7 mm	-	0 mm, contact / 10 mm	Pulp and special cellulose mixtures, RS232, RS485, USB. A display version
MK30LP-CUBE	On-line	3..70+ %	30 mm	> 40 g/m2	0 mm, contact / 40 mm	All papers and pulp, various sensing heads exist for specific applications, thick and thin material, RS232, USB, analogs for water layer of up to 8000 g/m2
MK30R	Portable	0..70+ %	35 mm	> 40 g/m2	0 mm, contact / 40 mm	All papers and pulp, various sensing heads exist for specific applications, Bluetooth,reel profiles static & running, distance sensing for profiles, for moisture up to 8 000 g/m2

Infrared	Type	Moisture range	Depth	BW range	Working distance	Notes
AK30	Portable	0..70+ %	Surface	> 10 g/m2	0..7 mm / 10 mm / Infrared	Universal tool, Bluetooth, RS232,USB
AK40GW	On-line	0..70+ %	Surface	> 10 g/m2	0..7 mm / 10 mm / Infrared	For tight spots, Bluetooth + RS232
AK50E	On-line	0..70+ %	Surface	> 10 g/m2	250 +/-8 mm / 10 mm / Infrared	Top model, RS232, analogs, opt. Bluetooth/USB

VISILAB SIGNAL TECHNOLOGIES

For full specifications and available accessories and options, refer to the website **www.visilab.fi**
There you will find our full catalog and numerous brochures and all technical documents.

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Colour sensor

Model	Type	Value range	Operation	Working distance / Spot size	Notes
FrontColour 5	On-line	0..100	TAPPI Brightness	200 +/-4 / 35	Brightness sensor
FrontColour 10	On-line	CIE variables, full range Colour		50 +/-2 mm / 8.75 mm diam.	2 Hz rate, full set of CIE variables plus more. 0/45, geometry is 0° /45° CIE 1964 10° observer, D65, A, C, D50, D55 or 75 illuminants, RS232, USB, analogs, Bluetooth

Surface means to 150 microns, ***deep*** to 3 ... 35 mm in thick material, depending on model. Infrared meters can measure all kinds of papers and even some black papers. Special chemicals may be troublesome. Microwave meters can measure all papers excluding those which contain significant amounts of ***Titanium oxide, metal particles or soothe***. Still, most black papers seem to be feasible.

Options available for various models

Model

AK30 - moisture standards of special paper enclosed between glasses. Usually custom made

AK40GW Various enclosures according to request. Other accessories according to installation.
- moisture standards of special paper enclosed between glasses

AK50E Working distance / tolerance at time of order. For extreme conditions, special enclosures for protection according to request. Other accessories according to installation
- moisture standards of special paper enclosed between glasses

MK30LP Various interfacing options are available.
- moisture standards of polymer

MK30LP-CUBE The head is in an AISI 316 box.
- moisture standards of polymer

MK30R - **Sample holder** for cylindrical and tubular material for laboratory QC testing
- moisture standards of polymer

FrontColour 10 Bluetooth, reflectance standard and colour tiles with NIST traceable data, wavelength calibrator.

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