

**PRESS RELEASE FOR ALL MEDIA FOR FREE REFERENCE
NEWS ABOUT PRODUCTS AND SERVICES**

PROCESS SENSORS

A new on-line moisture meter model **MK30LP** is published. It is a new unique model utilizing special UHF radio wave technology. The pricing is of exceptionally low level. It has the special capability of penetrating deep into matter, 25 mm typically. Measuring area is 26 x 105 mm. Data transfer is via a RS232/485 and analog signals. The structure is only about 15 mm thick and requires contact. Applications are in pilot and production machines and research of pulp, corrugated, thick papers and boards, black paper etc. The basis weight range is very wide and also the moisture range is according to normal dry end readings. The software MK30LP supports acquisition from up to 30 sensors via RS485. MK30LP comes as DUAL or SINGLE with two or one sensor. It has two rollers at edges to reduce wear. Tailored versions available.

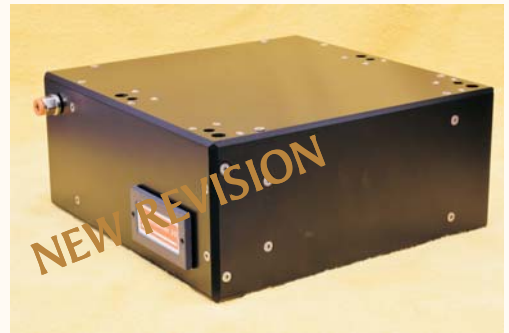
NEW PRODUCT



AVAILABILITY: Now

A new revision 6 of the on-line colour sensor FrontColour 10 is now available. It is used for plastics, pulp, pigments and paints, printing, papers, most solid materials. Measurement is by CIE 1964 10° and any of the optional illuminants: A/C/D50/D55/D65/D75. The colour system is CIE L*a*b*. FrontColour 10 is analyzing X, Y, Z, chromaticity coordinates x,y,z - CIE L*a*b*, L*u*v* and Lu'v', Yellowness J, TAPPI brightness R457, CIE whiteness W, CIE Tint, colour differences for L*, a*, b*, chromaticity, hue. Also a special Primary reflectance data R(lambda) is obtained. It uses a CCD spectrometer as for analyzing the spectra. This is a category B device for on-line measurements with superior stability working at a distance of 50 mm. The spot size is about 8.75 mm in diameter. It has one sensing head, USB, RS232, analog outputs 5 V (4) and 4-20 mA (1). It conforms to CIE 15:2004 and CIE 176:2006 requirements.

AVAILABILITY: Now



APPLICATIONS: ON-LINE AT PULP, PAPER AND PIGMENTS, TEXTILES, PLASTICS, SPECIAL PAPERS

A new portable moisture meter model **MK30** is published. It is a new unique model utilizing new UHF radio wave technology. The pricing is of the same competitive level as with the existing model AK30. It has the special capability of penetrating deep into matter, 30 mm typically. Measuring area is 40 mm in diameter. It has its own keyboard and display and data transfer is via a Bluetooth 100 m wireless link. All existing programs are capable of reading the data. Applications are in pulp, paper reels, corrugated, wood, soil, animal feed etc. The basis weight range is very wide and also the moisture range is exceptionally wide. A special model MK30-W is available for an extremely wide moisture range. Black papers are now possible to be measured.

AVAILABILITY: Now



APPLICATIONS: PORTABLE FOR PULP, CORRUGATED, BLACK PAPER AND BOARD, TEXTILES, FELTS, WOOD, MINERALS..

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SIGNAL TECHNOLOGIES

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A new revision of the brightness meter model **FrontColour 5** is published. The working distance is enhanced to 200 mm. The measuring geometry is 0/45 degrees and the working principle is applied according to TAPPI brightness and CIE1964 10 degrees standards. It is designed for measurements in fast pulp and paper production machines.



AVAILABILITY: Now

APPLICATIONS: ON-LINE AT PULP, PAPER AND BOARD, TEXTILES, SPECIAL PAPERS

A new accessory **BTUSBRN41** is published. It is a Bluetooth radio link with a range up to 100 m. The AK30/40 moisture meter series are equipped with it. One node is inside the meter and another dongle will be connected to the PC's USB. For AK50, one dongle is plugged to the PS and another to the PC's USB. Installation of the driver is easy. It is the same as the RS232USB dongle's FT232RL driver. Old AK30/40 products can be upgraded to this accessory at a fee requiring a manufacturer operation for the meter. For all old IRMA-7-D models and AK50 the same applies but those meters do not even need to be sent to the manufacturer. All other old IRMA-7 meters need a factory upgrade to be done

AVAILABILITY: Now

APPLICATIONS: Affects all old moisture meters sold before 2018

A new moisture meter model **AK50** is published. It is a new model utilizing new ultrastable infrared technology. The pricing is of the same competitive level as with the earlier model D. It has the usual DCS interfaces, RS232, analog outputs etc. It has an infrared web thermometer as standard. The service interval is 175 000 hours which means, it does not need other service than a regular cleanup. The enclosure is made of rough Aluminum and has a Vortec cooler. New: Small spot, 205 mm distance, laser pointer, Bluetooth cable replacement kit (opt.). Other working ranges can be adjusted at the time of ordering.

AVAILABILITY: Now



APPLICATIONS: ON-LINE AT PAPER AND BOARD, TEXTILES, FELTS, SPECIAL PAPERS



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A new revision of the moisture meter model **AK40** is published. It has a significant price advantage compared to our earlier on-line meters but has a lot of important features. It has the usual DCS interfaces, a wireless communication, an infrared thermometer, integral keyboard and display plus many other features as standard. All of the functional features of the AK30 handheld are here too. The service interval is 200 000 hours which means, it does not need other service than a regular cleanup. This product is economically a miracle. Thus new positions in process measurement open up. The latest revision is S and is based on our latest ultra-stable technology.



NEW REVISION

AVAILABILITY: Now

**APPLICATIONS: ON-LINE AT PAPER AND BOARD,
TEXTILES, FELTS, SPECIAL PAPERS**

A new moisture meter model **AK30** is available. It is a unique small handheld unit and has no competition. Its optical head is totally enclosed inside a box. It has three small displays. One has a trend curve of recent history, another has the latest moisture value in numerical format with other relevant information and the third one is used for menus. The display can be quickly switched to a large numeric display. It has lots of simple and effective features for field use and a wireless communication to a PC. 820 memory banks are available for long-term saving of data. This product is very economically priced for a quick payback. *It has become our most popular product.*



NEW FEATURES

AVAILABILITY: Now

APPLICATIONS: BOARD, TEXTILES, FELTS, SPECIAL PAPERS, PACKING PAPERS

The **UV Flash** is for manual testing of various fluorescent materials, like papers and boards. It is versatile tool for field use for classification and detection of various UV features, like high UV reflectivity and fluorescence. It has six UV LEDs with wavelengths 365, 375, 385, 400 nm and a wide BLUE.

It can also be applied to nature observations with plants and insects and like. The UV Flash is also useful for crime labs.



NEW PRODUCT

AVAILABILITY: Now

ALL SOFTWARE ARE WINDOWS 10/8/7 COMPATIBLE UNTIL NOTICED.



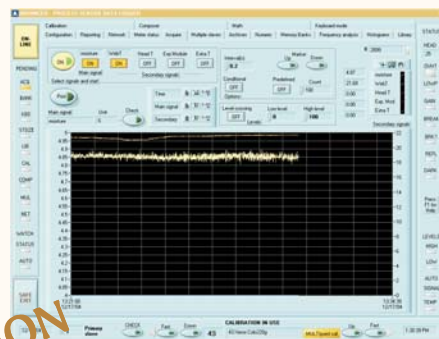
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The old TEAK-30 display module is now obsolete after serving for 20 years. It can be replaced either by the wireless Bluetooth module pair for a PC or by a very low-cost laptop with the Advanced software.

New software versions for **AK30**, **AK30Mini** and **Advanced** for all meters and sensors made by Visilab. It has a great number of useful features for regular quality control, analysis and archiving, in addition to those in **IRMA7Basic**. It supports the use of several meters. The expert system Composer is built-in in a very easy-to-use form to aid moisture meter users. Postfiltering and analysis tools are supplied with it. A support utility is now available for scanner frames. The new high-speed connection built-in into each meter, is also supported. The **Burst mode** is fully supported. A simple Help utility is added. A new program ATOM is published for retrieving memory bank data from the meters.

AVAILABILITY: NOW



NEW VERSION

TARGETS: ALL PRODUCTS, ALL MODELS

New software **Profiler** for model **AK40/AK50** and **FrontColour 5** meters. It is specialized in scanner operation with some very unique features. Use the same license as with the **Advanced** program.

AVAILABILITY: NOW



NEW PROGRAM

TARGET: MODEL AK50

COMPANY NEWS

We have new distributors and agents:

South Korea: Sane Calibration Instruments Co. Ltd.
Germany and Nordic countries: NIPMAN AB.

Please connect to them via our web site. Check on our web site for the current representative in your country. Other regions are directly sold by Visilab.

Visilab is located in Monninkylä which is a small village some 80 km from Helsinki. Visilab has built a quality control system according to **ISO 9001**. We are stressing on high quality in all steps from design to production and from marketing to after-sales operations.



Keywords: fast infrared moisture meter, on-line moisture meter, process moisture meter, Brightness and Colour meter

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