



VideometerLiq for stability and instability of emulsions, suspensions and foams.

VideometerLiq

Multispectral Stability tester

VideometerLiq is an easy-to-use imaging instrument for fast and accurate determination of stability or instability in liquid products. VideometerLiq has a sample magazine for 6 bottles, includes barcode reading and is prepared for automated feeding.

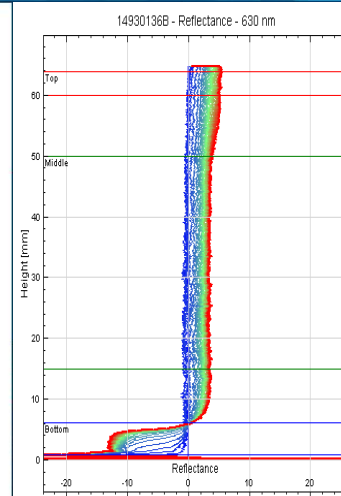
There are 11 different illumination sources – that can be adjusted separately based on the product (color and transparency);

- Ultra blue and NIR illumination gives a unique possibility of comparing the chemical stability.
- The NIR backlight makes it easy to see and measure clearing zones.
- Subtle changes in color can be measured from reflectance spectra or CIElab coordinates.

The result can be visualized in three ways;

- Reflectance and transmission data can be shown in a graph as a function of depth.
- Create a raw video or a change video.
- In Multispectral images directly as phase settling, air bubbles and particle concentration gradients

The VideometerLiq is as unique for research and development as it is for routine control with the VideometerLIMS.



Get a quick overview of the stability over time with the user-friendly Videometer-LIMS.

Videometer



Band	Name	Wavelength	Type
1	UV	405	Diffused_Highpower
2	Blue	450	Diffused_Highpower
3	Blue	470	Diffused_Highpower
4	Blue-Gr	505	Diffused_Highpower
5	Green	525	Diffused_Highpower
6	Green	570	Diffused_Highpower
7	Red	630	Diffused_Highpower
8	Red	660	Diffused_Highpower
9	Red	700	Diffused_Highpower
10	NIR	850	Diffused_Highpower
11	NIR	850	Brightfield_BackLigh

For reflectance and transmittance measurement all illumination sources are strobed individually to get optimized information.



VideometerLiq

Technical specifications

Light sources	11 high power light sources with a range from 405 to 850 nm.
Image size	150 x 1500 pixels
Resolution	40 µm / pixel
Consumables	Disposable Cell culturing bottles 50ml. Optional sterile.
Sample size	Maximum filling level for the bottles is 62 mm.
Calculation area	6 mm x 62mm in the center of the bottle The average pixel value is used for the graph calculation.
Time of analysis	30 seconds per sample
Barcode format	Code 39
Dimensions	240 mm(h) x 330 mm(w) x 560 mm(d)
Power supply	90 – 260 VAC, 47 – 63 Hz
Ambient temperature	Operation: 5 - 40 °C, Storage; -5 – 50 °C
Ambient humidity	20-90 % RH none condensing
PC requirements	Minimum configuration: Intel Core 2 Duo CPU 2.0 GHz or better, 4 GB RAM, RS-232 serial port, FireWire IEEE1394a
Software	Windows XP Professional, Service Pack 2 or later, Microsoft .net framework 3.5
Hardware options	Automatic sample handling

Backlight 850nm image of fruit concentrate with a lot of sediment.



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