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FAG VIPCAM 122

The Plate Reader









FAG VIPCAM 122 THE PLATE READER

- Visualisation of reading results using intuitive symbols
- Video analysis system for the geometric control of the dot area
- Dot size measurement with a sensor resolution of 12.700 PPI
- Fast and easy to use
- More than 30'000 measurements per set of batteries

OPERATING PRINCIPLES

FAG Vipcam 122 measures and analyses dot value and dot area on plates, prints and films.

READING SYMBOLS

-  Conventional plate
-  Polyester plate
-  Print
-  Film
-  Conventional screening
-  Stochastic screening

READING RESULT SYMBOLS

- Screen ruling in lines/cm and lines/inch
- Dot diameter in µm
- Screen angle in°
- Visual coverage

THE READING POINTER ALLOWS CORRECT POSITIONING ON THE DESIRED FIELDS

With FAG Vipcam 122 FAG introduces a CTP-device that guarantees accurate and quick quality control of computer-to-plate technologies (CTP) and traditional pre-press processes.

Thanks to its built-in video camera FAG Vipcam 122 reads and analyses geometrically the dot area of each field with conventional or stochastic screening. It is also capable of measuring the dot diameter, screen angle and ruling, as well as the logarithmic visual area.

According to calibration parameters this instrument is able to analyse the dots with a resolution of 12,700 ppi.

FAG Vipcam 122 offers the possibility to measure the characteristic curves of plates. Depending on the dots defined by the user, a reference value is set for comparison with the actually measured values. Any deviances are represented by a characteristic curve.

THE ESSENTIAL SOFTWARE

For documenting all generated data, controlling the FAG Vipcam's accuracy and, if necessary, performing the calibration, FAG offers an important accessory. A great advantage in case of objections.

FAG VIP-TAB

The FAG Vip-Tab software allows you to transfer, save and analyse reading data and dot values for statistic purposes. The FAG Vipcam is connected to the computer via a serial interface cable.

FAG VIP-TARGET

FAG Vip-Target, which combines a calibration plate with a complete software package, is the ideal instrument for controlling and calibrating your FAG Vipcam. With the reading plate you can test your tool's accuracy and, if necessary, re-calibrate it. The software that comes with this product is useful for the visual analysis and documentation of all calibration processes. Thanks to this tool, you will always get the proof that your device is correctly calibrated.

TECHNICAL SPECIFICATIONS

ELEMENT	SPECIFICATIONS
Sensor	CMOS 648 x 488
Sensor resolution	12.700 ppi
Measuring area per pixel	2 µm x 2 µm
Measuring area	Approx. 1.3 mm x 1 mm
Analysis	Image analysis
Display	160 x 80 pixel grey scale LCD
User interface	Icon based
Illumination	RGB LED with optical ring
Power source	2 AA batteries
PC interface	RS232
Measuring time	3.4 sec (typ.)
Dimensions	14,5 cm x 7,3 cm x 4,8 cm
Weight	Approx. 400g
Repeatability	+/- 0.5%
Measuring range	0% - 100%
No. of readings per set of batteries	30.000
Operating conditions	Temperature from 10° to 40°C
	Relative humidity from 10% to 80%
	Non-condensing
Storage	Temperature from -20° to 70°C
	Relative humidity from 10% to 90%
	Non-condensing

APPLICATIONS

FUNCTION	SPECIFICATIONS
Dot area %	4
Screen ruling in lines/cm	26 L/cm - 147 L/cm
Screen ruling in lines/inch	65 L/inch - 380 L/inch
FM screen spot size range	10 microns - 50 microns
Dot diameter	1 µm (resolution)
Screen angle	3° (resolution)
Visual coverage	0 - 2.2
Visual dot inspection	6.350 ppi and 12.700 ppi
Plate characteristic curve	100 readings
Characteristic curve references	100 references
Conventional screening	4
Stochastic screening 1 st and 2 nd order	4
Positive dot	4
Negative dot	4
Standard offset plates	4
Polyester plates	4
Print	4
Film	4

Composition and printing errors excepted.

All technical specifications, features and use are subject to change without notice.

«Simply perfect, perfectly simple» is our philosophy. We develop high tech devices which reduce costs and time in quality control of prepress and all printing steps.