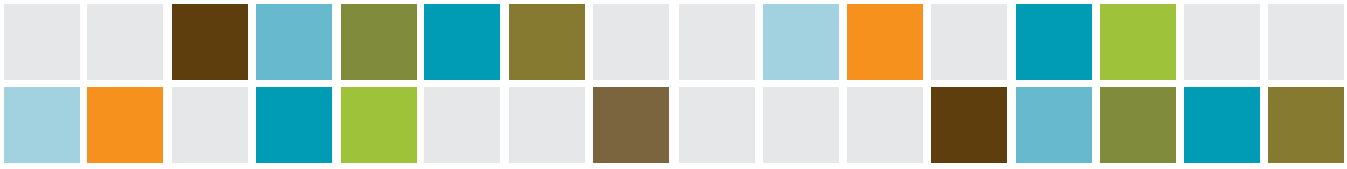
DensiEye



Fast, Automated and Affordable Pressroom Densitometers

Accurate and Efficient

Press operators, production managers and quality control managers continually need to find cost-effective solutions to save time and money, yet ensure the quality and stability of their prints. The DensiEye family of portable reflection densitometers from X-Rite provides a high speed, high level of automation, and accuracy at an accessible price point. Both DensiEye 100 and 700 measure all critical factors in the printing process to help speed press make-ready and points out errors before they get out of control, making it a cost effective addition to any pressroom running CMYK jobs.

Fast Measurement Cycle

The power of DensiEye, which provides unparalleled measurement speed, is only the beginning. With the highest measurement response on the market, you'll save critical time, especially when measuring multiple ink zones. These hand-held devices are fully automated for direct visual access to the most commonly used functions without even pressing a key. The clear Pass/Fail Indicator (PFI) provides quick results and lets you move on to the next measurement – no need to even look at the display unless the PFI alarm flashes.

Easy to Use

The exceptional ergonomics and user-friendliness provide all information in your preferred language with easy to see density readings. With their fully automated functions and clear pass/fail indicators, DensiEye 100 and 700 require the operator to have only basic know-how about print quality control. The fully automated operating mode provides automatic patch type recognition (solid, halftone, trapping and gray balance) making DensiEye easy to use without extensive training.

Increased Measurement Accuracy

Automated usability and automatic patch type recognition minimize operator errors, ensuring accurate results every time. DensiEye 700 includes all necessary functions for measurement including density, dot, gain, dot area, trapping, gray balance and print characteristic measurement. An optional smaller aperture (which can include a polarization filter) is available for measuring small strips as required in magazine and newspaper printing environments.

Energy Efficient

The DensiEye family is equipped with LED technology for low power consumption and is capable of up to 500,000 measurements per battery set. This means less maintenance and fewer battery replacements so it is ready to work when you are. Easily communicate with any PC through the USB port.

Tailored Settings to Meet Your Requirements

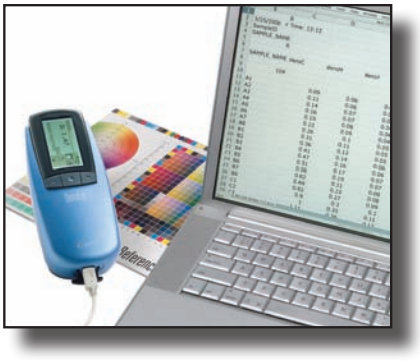
- Choose ISO Status E, I, or T density standard
- Select usual (3mm) measurement aperture or small (1.6mm) measurement aperture to measure small control strips
- Select readings with or without polarization filter

Choose DensiEye 100 or DensiEye 700

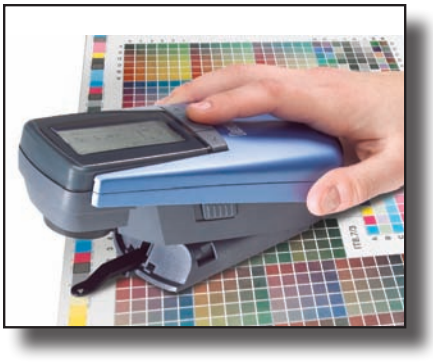
The DensiEye 100 includes basic Density control functionality and the DensiEye 700 includes functionality for a more deep quality control of your job. The DensiEye 100 can be upgraded to a DensiEye 700 via passcode at any time.

x-rite PANTONE®

DensiEye



USB Connectivity



Easy Positioning

Clear Visual Display with Pass/Fail Indicator

Measurement Functions

	DensiEye 100	DensiEye 700
Density (incl. Difference)	•	•
Gray Balance (incl. Difference)	•	•
Dot gain		•
Dot area		•
Trapping		•
Print characteristic line		•
Automatic color recognition	•	•
Automatic patch type recognition (Solid, Halftone, Trapping Patch, Gray Balance)		•
Automatic paper white recognition	•	•
References Sets (incl. Solids, Dot Gain, Gray Balance)	6 sets	6 sets
Density Calibration	•	•
Pass/Fail indicator	•	•
Corrective advise	•	•
Absolute / relative White base	•	•

Specifications

Measurement technology	Illumination	3 LED (RGB)
	Measurement geometry	45°/0°
	Receiver	Photodiode
	Measurement Aperture	3 mm or 1.6 mm
	Polarization filter	With or Without
	Density Standards (Filter Sets)	Status I, E or T (according to ISO 5-3)
	Measurement range	0,00 – 3,00 D
	Linearity	± 0,01 D or ± 1%
	Repeatability	0,00 – 2,50 D: ± 0,01 D or ± 1% max. 2,50 – 3,00 D: ± 0,03 D or ± 3% max.
	Inter instrument agreement	± 0,02 D or ± 2%
	Measurement time	0.5s
Data interface	USB	•
Power Supply	Batteries	2 Alkaline 1.5V, size AA
	Measurements / battery set	500'000
Mechanics	Dimensions (H x W x L)	50 x 75 x 175 mm (2 x 3 x 7 in)
	Weight [gr]	400

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