

iCPlate2 and PlateScope



Complete Solutions for Plate Quality Control

Accuracy and Repeatability

Accurate plates are the key to reducing production waste including ink, paper, and plates. Get control of your plate quality with leading-edge plate reader technology from X-Rite. X-Rite's plate control solutions offer the highest level of repeatability, accuracy, and screening range, including extreme highlights and shadows. X-Rite plate readers support all current screening technologies, including AM, FM, XM and hybrid screen types.

Ease of Use

X-Rite plate control devices provide language-independent operation with an easy-to-use, icon based graphical user interface (GUI), and clear visual readings of plate characteristics on the large LCD display. All of X-Rite's plate reader devices are designed for both right- and left-handed operation. Each model comes complete with a handheld plate reader, a control target, and software.

FOGRA Measuring Bar (FMB) Support

All devices support measurements in compliance with the FOGRA Measuring Bar (FMB), aligning your plate measurements to the official reference standard from the Fogra Institute, if that is your reference of choice.



PlateScope

PlateScope offers advanced, unsurpassed accuracy and repeatability for the latest plate and screening technologies. With its high resolution measurement capability, PlateScope will accurately detect the edge of dots, even for thin screenings.

The colorful, icon-based interface makes PlateScope the most user-friendly plate control device on the market today.

PlateScope's patent-pending auto-contrast video targeting system allows you to easily identify the targeted measurement areas you want — even from a full arm's length away, or in darker environments.

iCPlate2 X & XT

iCPlate2 offers a high level of plate reading accuracy for standard plate reading applications. It offers high camera resolution, automatic calibration, and a very long battery life. It is available in two different configurations - iCPlate2 X and iCPlate2 XT - to best suit your plate measurement needs. iCPlate2 X can be upgraded at any time to iCPlate2 XT by entering an access code that can be purchased separately.

The superior object recognition algorithm built into iCPlate2 eliminates dust and scratches as it reads your plates. The high resolution camera system measures a wide variety of plate types, both positive and negative, including AM, FM, and hybrid screens.

LED illumination extends the battery life of the iCPlate2, giving you the confidence that the unit will be ready to go when you need it.

Plate Quality & Capture Tool Software

Designed specifically for X-Rite plate control devices, PlateQuality software stores, visualizes, and documents both individual measurements and plate characteristic curve measurements. This gives operators a save-able, visual dot reference to refer back to when needed. Both measurement values and plate images are stored in a database.

Capture Tool software allows users to easily import measurement values and plate images directly into any Windows application for quality tracking purposes. PlateQuality software is included in PlateScope models and is optional for iCPlate2 models. Capture Tool software is provided with all plate control solutions.

iCPlate2 and PlateScope



FEATURE COMPARISON

	iCPlate2 X	iCPlate2 XT	PlateScope
PRIMARY FUNCTION	Simple plate measurement checks	Regular job control and plate measurement checks	Routine process control, tight job control and plate measurement checks
ACCURACY	Generic mode to accurately read all supported plate types	Generic mode to accurately read all supported plate types	Generic mode to accurately read all supported plate types. Includes specific plate tables to adapt to the unique behaviors of the most common plate types for highest measurement accuracy
REPEATABILITY	High repeatability	High repeatability	Highest repeatability performance
STANDARD PLATE SUPPORT	Supports most popular plate types (Ask your X-Rite representative about the support of your plate)	Supports most popular plate types (Ask your X-Rite representative about the support of your your plate)	Supports most popular plate types (Ask your X-Rite representative about support of your specific plate)
PROCESSLESS PLATE SUPPORT	Supports high-contrast process-less plates such as AGFA Azura, and Fuji Pro-T low latency plate, if washed with special cleaner	Supports high-contrast process-less plates such as AGFA Azura, and Fuji Pro-T low latency plate, if washed with special cleaner	Supports high-contrast process-less plates such as AGFA Azura, and Fuji Pro-T low latency plate
EASE OF USE	Easy to position with a highly visible target	Easy to position with a highly visible target	Easy to position – revolutionary video targeting system allows for positioning from a full's arm's length away or in darker environments
CONNECTIVITY	Serial connection	Serial connection	USB
SOFTWARE	Includes Capture Tool, PlateQuality optional	Includes Capture Tool, PlateQuality optional	Includes Capture Tool and PlateQuality

SPECIFICATIONS

	iCPlate2 X	iCPlate2 XT	PlateScope
FUNCTIONS			
Dot area %	X	X	X
Dot size (dot diameter)		X	X
Screen ruling (Lines/cm or lines/inch)		X	X
Screen angle		X	X
Visual coverage		X (0 – 2.2 D)	
Visual analysis	X	X	X
Plate characteristic		X	X
Measurement storage		100	20 x 7
MEASUREMENT SAMPLES			
Standard offset plates	X	X	X
Processless plates (e.g. Agfa Azura)	X	X	X
Processless, low latency plate			
Fuji Pro-T (washed) *: with special cleaner	X*	X*	X
Polyester plates	X	X	
Paper		X	X
Film		X	
Positive and negative plates	X	X	X
AM screening	X	X	X
FM screening	X	X	X
Hybrid screening	X	X	X
USER INTERFACE			
Graphical display	160 x 80 pixels 4 step grey		140 x 160 pixels 24 bit color display
Multilingual	X		X
Icon based	X		X
Left - Right hand aperture	X		X
POWER SUPPLY			
Power source		2 Batteries 1.5 V (Size AA)	Rechargeable Ni-MH batteries
Battery life (measurements)		30,000 (typ.)	> 2'000 (typ.)
DATA INTERFACE			
Interface		Serial (115'200 baud)	USB2.0
MEASUREMENT TECHNOLOGY			
Ring illumination		X	X
Illumination colors	R	R, G, B	R, G, B, RGB IR, UV
Screen ruling range (AM)		26 – 147 l/cm 65 – 380 lpi	30 – 150 l/cm 75 – 380 lpi
Dot size range (FM)		10 µm – 50 µm	10 µm – 70 µm
Repeatability		± 0.5% (typ.)	± 0.5% (typ.)
Measurement time		3 sec (typ.)	3 sec. (typ.)
MECHANICAL DATA			
Dimensions (H x W x L)		4.8 x 7.3 x 14.5 cm 1.9 x 2.9 x 5.7 in	9 x 9 x 20 cm 3.8 x 3.8 x 7.9 in
Weight		400 g / 14 oz	850 g / 30 oz

Training & Education from X-Rite

Do you need help to ensure your team gets the most out of the instruments in your workflow? Whether you prefer to learn in a classroom, online or at your own facility, Color Experts from X-Rite can help. Are you interested in obtaining ISO print standards certification? An X-Rite G7- or PSO-Certified Trainer can come to your facility to work with your staff hands-on to set up, train and qualify your team. For more information, please visit xrite.com.

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L7-413 (04/10)