

# iCPlate™

Platereader



...easy and accurate

control in

computer-to-plate printing

 GretagMacbeth™

## Unparalleled accuracy for CTP quality control

The new portable iCPlate from GretagMacbeth solves one of the printing industry's most difficult challenges – quick and accurate quality control for computer-to-plate (CTP) printing. With its built-in video camera, iCPlate geometrically analyzes screen percentage, dot size, resolution, dot geometry and screen angle. This eliminates partial dots from the analysis, resulting in a more exact measurement. So you can quickly see whether plate quality is acceptable before printing the job, identify and correct problems in your CTP process, calibrate your CTP devices and check for moiré patterns.

**The result – shorter cycle times and reduced waste.**

## Get the data you need quickly and easily

With the press of a button, you can quickly take a measurement with iCPlate. The results are then displayed graphically on the crisp LCD display for quick and easy analysis. You can even display a magnification of the dots so you can visually check the shape and look for scratches on the plate. And, thanks to the low-power LED, you can take more than 40,000 measurements without a battery change.

## Everything you need in a single unit

iCPlate is one of the most versatile platereaders available, handling all your plate reading needs, from CTP to conventional. With its ring illumination and three different lamps, iCPlate can handle both positive and negative plates, plus AM and stochastic screening – providing exceptional measurement accuracy, even when measuring screens above 60 lines/cm.

**So, why settle for a platereader that can only handle some of your needs, when iCPlate can do it all.**

### Technical data

<b>Functions</b>	Dot %	●
	Dot diameter	●
	Lines/cm or Lines/inch	●
	Screen angle	●
	Visual analysis	●
	Stepwedge analysis up to 16 steps (numerical and graphical)	●
<b>Measurement samples</b>	Plate screen measurements	●
	Film screen measurements	●
	Print screen measurements	●
	Positive and negative plates	●
	AM and stochastic screen (FM)	●
<b>Measurement technology</b>	Ring illumination	●
	3 different illuminant colors	●
	Target size	0.7 x 1 mm
	Camera resolution	385 x 288 (110'880 pixels)
	Repeatability	+/- 0.2%
	Linearity	+/- 1.0%
	Calibration time	about 2.5 sec
	Measuring time	about 1.5 sec

<b>User interface</b>	Graphical display	130 x 64 pixels
	Multilingual	●
<b>Power supply</b>	Power source	4 Batteries 1.5V (Size AA)
	Battery life	40'000 measurements
<b>Data interface</b>	Interface	serial
	Baud rates	9'600, 19'200, 38'400
<b>Mechanical data</b>	Dimensions	14.5 cm length, 8.3 cm width, 5.7 cm height (5.7x3.3x2.2 in)
	Weight	appr. 535 g (1.2 lbs)

Specification subject to change without notice



**Switzerland:**  
**United States:**  
**Germany:**  
**United Kingdom:**  
**Hong Kong SAR:**

Althardstrasse 70, CH-8105 Regensdorf, Tel: +41 1 842 24 00, Fax: +41 1 842 22 22  
 617 Little Britain Road, New Windsor, NY 12553-6148, Tel: 800-622-2384, 845-565-7660 (Outside USA and Canada), Fax: 845-561-0267  
 Siemensstrasse 11, D-63263 Neu-Isenburg, Tel: +49 61 02 79 57 0, Fax: +49 61 02 79 57 57  
 Macbeth House, Pacific Road, Altrincham, Cheshire WA145BJ, Tel: +44 161 926 9822, Fax: +44 161 926 9835  
 12 Wardley Centre, 9-11 Prat Avenue, Tsimshatsui, Kowloon, Hong Kong, Tel: +852 2368 7738, Fax: +852 2368 6717

Visit our World Wide Web Site at [www.gretagmacbeth.com](http://www.gretagmacbeth.com)

™ Trademark of GretagMacbeth. GretagMacbeth is an ISO 9001 certified company.

Part No. 98.51.00 en (5/00). Printed in Switzerland