



i1iSis Revision E and XRGAs - Application Note

As the global leader in color science and technology, X-Rite is committed to delivering the best possible inter-model agreement between color measurement instruments of our various product families. In an effort to maintain this, and to keep up to date with the latest developments in color science, updates to the design of our instruments are necessary from time to time.

The recent introduction of i1iSis revision E, together with the introduction of X-Rite’s new graphic arts standard (XRGAs), X-Rite has taken another step towards the best possible inter-model agreement between our i1 Solutions measurement instruments.

i1iSis revision E changes

X-Rite has made changes to i1iSis in accordance with the requirements of ISO-13655. The reflectance spectrum of the white backing in the i1iSis revision E instruments has been modified; the UV excitation of the measured substrate has been optimized for better correlation with i1Pro devices and the ISO-13655 measurement condition M0. This change will mainly impact NoFilter measurement results on substrates containing optical brightening agents.

Calibration standard changes

With the upcoming availability of ColorPort 2.0 (Q4 2010), and X-Rite’s recently announced i1Profiler software (Q4 2010), i1iSis instruments of all revisions will begin to benefit from XRGAs. XRGAs will improve the inter-model agreement for older X-Rite and former GretagMacbeth instruments; it will ensure traceability to the National Institute of Standards and Technology (NIST), and thus better compliance with ISO standards.

The amalgamation of these initiatives will influence the measurement results of your instrument. Measurement inconsistencies may be seen between i1iSis instruments of earlier revisions and the latest revision E. The same is true between measurement data based on the new XRGAs calibration standard and the former GretagMacbeth calibration standard. Users comparing data from different instrument revisions or from different calibration standards should be cautious, as the differences noted may be related to these changes.

i1iSis compatibility matrix

	ProfileMaker version 5.0.x to 5.0.7	ProfileMaker version 5.0.8	ProfileMaker version 5.0.9 and 5.0.10	ColorPort version 1.x	ColorPort version 2.x	i1Profiler version 1.x
i1iSis Revision A to D	not supported	GretagMacbeth calibration	GretagMacbeth calibration	GretagMacbeth calibration	XRGAs calibration	XRGAs calibration
i1iSis Revision E	not supported	not supported	GretagMacbeth calibration	GretagMacbeth calibration	XRGAs calibration	XRGAs calibration

Please note: i1iSis Revision E instruments will require the latest version of i1Diagnostics. Third party software using direct SDK access to connect to the instrument will still require the use of former GretagMacbeth calibration standard data; Third party software using X-Rite Device Services (XDS) to connect to the instrument will require the use of XRGAs calibration standard data. Please refer to your third party software manufacturer for details about device connectivity.