



Critical X-Ray Process Control Package

- 390 Auto-Scan Densitometer
- 396 Dual-Color Process Control Sensitometer
- x-Read QC Analysis Software



Proven Accuracy and Reliability

To safeguard the health of your patients, monitor your film processing daily with quality control instrumentation from X-Rite. Proper quality control ensures the highest quality films, reduces the need for repeat examinations, and alerts you to changes in processing conditions.

X-Rite offers both the finest QC technology in the medical imaging industry and the finest QC analysis software, x-Read from Medical Cost Containment Consultants, Inc.

Accurate, durable, and reliable, X-Rite densitometers and sensitometers are backed with unsurpassed technical support and service, freeing you to devote more time to patient care. Our instrument service contract includes two annual recertifications and a total of three years of service coverage.



390

The 390 quickly and accurately measures 21-step sensitometric strips from any X-Rite sensitometer.

The 390 Auto-Scan Densitometer:

- Displays density values and calculates base plus fog, speed or mid-density, contrast or density difference, average gradient, D-Max, and gamma
- Performs darkroom fog, film/screen contact, and most common Phantom tests
- Generates daily D-log E curves that include control parameter measurements
- Connects to third-party software programs or printers through RS232 interface
- Transmits readings to a computer for data storage, analysis, and reporting
- Verifies calibration automatically

396

Repeatability and simplicity are the hallmarks of the 396.

The 396 Dual-Color Sensitometer:

- Provides highly repeatable results on single/dual-sided, blue/green-sensitive film
- Meets performance standards outlined in the DIN V 6868-55 specification
- Features exposure-time control
- Adapts to x-ray, roll, or cine film

x-Read Software

To eliminate the drudgery of hand-entering data, interface your processors with your personal computer using x-Read software.

Features:

- Works with any Windows® 95-, 98-, 2000-, or NT-compatible computer
- Stores an unlimited number of readings in each processor file
- Sets standards and user-defined hi/lo allowances for each processor
- Creates history graphs for each processor, representing any time period you select (up to 31 days)
- Monitors an unlimited number of processors

Specifications for 390 & 396

390

MEASURING RANGE
0-4.5D

ACCURACY
±.02D (0-3.0D) ±2% (3.0-3.4D)

REPEATABILITY
±.01D (0-3.0D), ±1% (3.01-3.5D), ±2% (3.51-4.0D)

SPECTRAL RESPONSE
ANSI Visual

POWER REQUIREMENTS
12V DC, Universal 100-240VAC adapter, 50/60 Hz
P/N SE30-77

READING SPEED
1.2 inches per second

OPERATING TEMPERATURE RANGE
10° - 40°C 50° - 104°F

PHYSICAL DIMENSIONS

2.8" H (7.1cm) 7.2" W (18.3cm) 6" L (15cm)

ACCESSORIES

Operation manual, AC adapter, cable and interface adapter.

396

EXPOSURE STABILITY
±.02 log exposure per year

UNIT TO UNIT REPEATABILITY
±.02 log exposure

TEMPERATURE SENSITIVITY
±.02 log exposure 15° C (59°F) to 30° C (86°F)

POWER REQUIREMENTS
9 volt alkaline battery (included) approx. 10,000 exposures/battery

BLUE COLOR PEAK WAVELENGTH
455nm ± 10nm

GREEN COLOR PEAK WAVELENGTH
512nm ± 10nm

EXPOSURE TIME

.1 second typical regulated by light accumulation system

RECYCLE TIME
2 seconds

LIGHT MODULATION
21-step wedge, 0.15D per step

PHYSICAL DIMENSIONS
2.3" H (5.84cm) 3.75" W (9.50cm) 7.0" L (17.78cm)

WEIGHT
.9 lbs. (410g)

Specifications and design subject to change without notice.



www.x-rite.com

ISO 9001
Certified

X-RITE WORLD HEADQUARTERS
Grandville, Michigan USA
(616) 534-7663
(800) 248-9748
FAX (616) 534-8960

X-RITE INTERNATIONAL, B.V.
The Hague
The Netherlands
(31) 70-3538132
FAX (31) 70-3538333

X-RITE LATIN AMERICA
Coral Springs, Florida USA
954-603-0475
FAX 954-603-0476

X-RITE LTD.
Poynton, Cheshire
United Kingdom
44 (0) 1625 871100
FAX 44 (0) 1625 871444

X-RITE MÉDITERRANÉE
Massy, France
33 1-6953-6620
FAX 33 1-6953-0052

Origgio (VA), Italy
(39) 02-967-34266
FAX (39) 02-967-30681

X-RITE GmbH
Köln, Germany
(49) 2203-91450
FAX (49) 2203-914519

Vyskov, Czech Republic
(00) 420 517-320-331
FAX (00) 420 517-320-335

**X-RITE INTERNATIONAL
TRADING LIMITED**
Shanghai, PR China
86-21-6427-2426
FAX 86-21-6427-5816

X-RITE ASIA PACIFIC LTD.
Quarry Bay, Hong Kong
(852) 2-568-6283
FAX (852) 2-885-8610

Tokyo, Japan
81-3-5777-5488
FAX 81-3-5777-5489

INFORMATION PROVIDED IN THIS DOCUMENT IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE. The user assumes the entire risk as to the accuracy and the use of this information. All text must be copied without modification and all pages

must be included. All components of this information must be distributed together. This information may not be distributed for profit. © X-Rite, Incorporated 2002. X-Rite® is a registered trademark of X-Rite, Incorporated. Other brand and product names are trademarks of their respective holders. All trademarks may be registered in the United States and /or other countries. Product design and specifications subject to change without notice.