



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

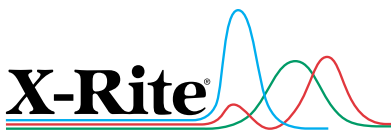
RECYCLE TIME
2 seconds

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

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