



# 890 Series Photographic Densitometers for Mini-Labs

## Quality Control Strip Reading Densitometers



### Highly Automated and Easy to Use

The 890 Series strip reading densitometers from X-Rite are specially engineered for the needs of mini-labs. These densitometers simplify the process of measuring photo processing control strips. It's as easy as selecting the appropriate strip format from the densitometer's display panel, inserting the film, paper or printer balance control strip, and watching the densitometer go to work. It's fast, it's easy and it's extremely accurate.

### Feature Comparison

	890	891	892		890	891	892
Status "M" Transmission	■	■	■	Reference Strip Storage		■	■
Status "A" Transmission			■	In/Out Limit Indication		■	■
Status "A" Reflection	■	■	■	Internal Clock & Calendar		■	■
Automatic Strip Reading	■	■	■	Compatible with QCLocal™ Software		■	■
RS-232 Interface	■	■	■	Kodak Q-Lab™ Compatibility			■
Direct Plotting Ability				QCNet II™ Compatibility		*	*
Storage Channels	3	9	9	Interleg Calculations			■
Strip Storage per Channel	1	16	16				

\*Requires External Modem



## 890

An easy to use, highly automated densitometer for today's mini-lab.

### Features:

- Completely automated process.
- Can be controlled remotely from computer or other processing equipment.
- Measures both paper and negative control strips.
- Flash E-Prom allows unit to be reprogrammed with any changes made by your film manufacturers.
- Provides three storage channels, each one storing the measurement from the last strip read.
- Performs self-diagnostics and displays appropriate messages.
- Contains an extensive preprogrammed internal library of control strip formats.



## 891

Incorporating powerful features for easy monitoring.

### Features:

- Includes all features and functions of the 890.
- Eliminates manual calculations.
- Nine storage channels, each one holding up to 16 strips.
- Automatic limit testing.
- Has direct networking capability with various off-site process management systems.
- Trend data that can be viewed on the displays or manually plotted on a process control chart.
- Has an internal clock and calendar for accurate record keeping.

With all the capabilities of the 890, the 891 densitometer adds internal memory that maintains the reference strip values for immediate determination of current processing conditions.



## 892

Adds Status "A" Filter for positive film & control strips.

### Features:

- Includes all the automated features of the 890 and 891.
- Has a Status "A" filter for reading film positives.
- Computes interneg values automatically.
- Has E-6 process monitoring capability.
- Has direct networking capability with various off-site process management systems.

The 892 contains the features and functions of the 890 and 891, plus additional amenities that make it very attractive to professional color labs. Such as the added E-6 process monitoring capability. The efficiency and accuracy of the 892 makes E-6 process monitoring as simple as it can be.

## Specifications for 890, 891, 892

### Transmission Process Control

#### Film Width

35mm fixed slot or 1.4-6.0 in. adjustable

#### Measurement Speed

1.1 to 1.4 in./sec. (1.2 typical)

#### Spectral Response

891 Status M; 892 Status A and M

#### Density Range

0- 4.0D

#### Density Accuracy

±0.02D (0-3.00D), ±1% (3.01-3.40D)  
±3% (3.41-4.00D)

#### Density Repeatability

±0.1D (0-3.00D), ±0.02D (3.01-3.40D)  
±0.04D (3.41-4.00D)

#### Color Strip Measurement Area

0.375" L x 0.5" W minimum

#### Reflection (paper) Process Control and Printer Balance

#### Paper Width

1.4-6.0in. adjustable slot

#### Measurement Speed

1.3 in./sec.

#### Control Strip Measurement Area

0.375" L x 0.5" W minimum

#### Printer Balance Measuring Area

0.75" diameter minimum

#### Spectral Response

Status A

#### Density Range

0-2.5D

#### Density Accuracy

±0.02D

#### Density Repeatability

±0.1D

#### General Specifications

#### Switching AC Adapter

110-240V (P/N SE30-77)  
12VCD @ 0.7amp

#### Instrument Dimensions

7.2"W x 6.0"D x 2.75"H  
(182.8mm W x 152.4mm D x 69.8mm H)

Specifications and design subject to change without notice.



www.x-rite.com

X-Rite, Incorporated – World Headquarters • 3100 44th Street SW • Grandville, Michigan 49418 USA • (616) 534-7663 • (800) 248-9748 • FAX (616) 534-8960

X-Rite Ltd. The Acumen Centre • First Avenue • Poynton, Cheshire • United Kingdom SK12 1FJ • 44 (0) 1625 871100 • FAX 44 (0) 1625 871444

X-Rite Méditerranée Parc du moulin de Massy • 35, rue du Saule Trapu • 91300 Massy • France • 33 1-6953-6620 • FAX 33 1-6953-0052

X-Rite Asia Pacific Ltd. Rooms 808-10 • Kornhill Metro Tower • 1 Kornhill Road • Quarry Bay • Hong Kong • (852) 2-568-6283 • FAX (852) 2-885-8610

X-Rite Asia Pacific Ltd. • Japan Office • 7F, IMAS Hamamatsu-cho Bldg. • 2-10-4, Hamamatsu-cho, Minato-ku • Tokyo, 105-0013 Japan • 81-3-5777-5488 • FAX 81-3-5777-5489

X-Rite GmbH • Stollwerckstr. 32 • 51149 Köln • Germany • (49) 2203-91450 • FAX (49) 2203-914519

X-Rite GmbH Czech Office • Jana Soukala 2, P.O. Box 106 • 682 01 Vyskov • Czech Republic • (420) 507-320-331 • FAX (420) 507-320-335

X-Rite Italy • Via Per Caronno, 35 • 21040 Origgio (VA) • Italy • (39) 02-967-34266 • FAX (39) 02-967-30681

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