

Hand-Held Deluxe Digital Clamshell Densitometer

Nuclear Associates Model 07-443

- Features a self-contained light source
- Fast and accurate results
- Lightweight and portable
- Reads grayscale up to 4.00 OD

Features

- Two aperture choices: 1 and 2 mm
- Easy touch pads
- Battery operated
- Easy read display

Introduction

Get all the benefits of state-of-the-art features in a compact, hand-held unit. Become a “speed reader” with this accurate, rugged portable Clamshell Densitometer. It has today’s most-wanted features for “go-anywhere” quality control testing...from darkroom to darkroom, and from lab to field.

Applications

It’s easy to use. Just lift the “shell” and insert the test film; close the “shell” and press the READ button. The measured optical density appears on the three-digit liquid crystal display. The self-contained light source makes it convenient to use...anywhere.



A carrying/storage case and a calibrated five-step density tablet are included.

Specifications

Range 0.0 to 4.0 OD

Accuracy ± 0.02 OD

Reproducibility ± 0.01 OD

Temperature range 50° to 104°F (10° to 40°C)

Apertures 1 and 2 mm

Measuring length Throat: 5.3 in (135 mm)

Zero range Auto zeros to density 0.0

Sensor High-efficiency silicon photodiode

Controls

Zero pushbutton: zeros unit

Power on/off switch

READ pushbutton: initiates READ sequence

Calibration control: screwdriver adjustable 20-turn potentiometer used to calibrate against a known step tablet

Display Three-digit, 0.5 in LCD with a low-battery indicator

Light source When turned on during measurement, provides extremely long life with minimum spectral and intensity degradation. Reduces heating to a minimum

Power requirements Four 1.5 V AA batteries (approx. 3,000 exposures)

Dimensions 3.2 (w) x 7.1 (d) x 2.4 in (h)
(8.1 x 18 cm x 6.1 cm)

Weight 1.81 lb (0.82 kg)

Optional accessories

Battery Charger (Model 87-443-1000)

Battery and Charger Kit (Model 87-443-2140), includes four AA NiCad batteries and one battery charger

Carrying Case (Model 89-443)

Available model(s)

07-443 Hand-Held Deluxe Digital Clamshell Densitometer, includes five-step density tablet and carrying case

CE Tested. Meets applicable standards.

For more information, receive our full product catalog, or order online, contact **Radiation Management Services** business of **Fluke Biomedical**: 440.248.9300 or www.flukebiomedical.com/rms.

Specifications are subject to change without notice.

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