

# “The Little Genius” Scanning Densitometer

Nuclear Associates Model 07-444



## Introduction

“The Little Genius” stands head and shoulders above all other densitometers when it comes to performance, reliability and economy. The only hand-held scanning densitometer in the industry with built-in scanning and single-point (spot) measurement capability, it literally does the work of two densitometers.

## Applications

“The Little Genius” measures and stores daily film data for up to 20 different x-ray film processors for 31 days in its own built-in memory. Use it to generate and print control charts and D-Log-E curves directly to a printer without using external software and a computer. Set base-line (target) and tolerance levels for each control chart parameter either manually or automatically by scanning and averaging up to 9 different film strips. So smart, it reads not only our film strips, but “the other guys” too.

## Specifications

**Measuring range** 0 to 4.0 OD units

**Accuracy** 0 to 3.0 OD  $\pm 0.02$  OD units; 3.0 to 4.0 OD  $\pm 1\%$

**Repeatability**  $\pm 0.02$  OD units

**Power requirements** 6 AA batteries, 1.5 V alkaline; 110 VAC with AC power converter

**Spectral response** Centered at 540 nm

**Aperture size** 1.0 and 2.0 mm

**Dimensions** 3.2 (w) x 7.1 (d) x 2.75 in (h)  
(8.1 x 7 x 18 cm)

**Weight** 2.8 lb (1.3 kg)

### Optional accessories

**RS-232 Interface Cable**, 7 ft (2 m) (Model 802013)

**9-Pin Adapter** (Model 169072)

**25-Pin Adapter** (Model 169071)

**Non-Powered Serial Parallel Converter**  
(Model 88-444)

### Available model(s)

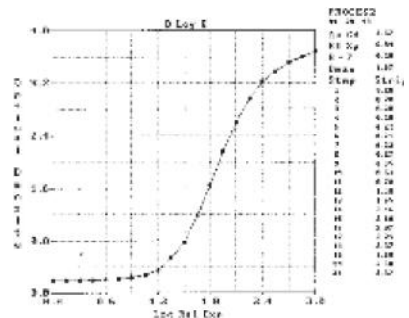
**07-444** “The Little Genius” Scanning Densitometer, includes RS-232 interface cable, and a 9-pin and 25-pin adapter

**07-446** “The Little Genius” Scanning Densitometer, includes AutoSTPP X-Ray Film Processor QC Software, RS-232 interface cable, and a 9-pin and 25-pin adapter

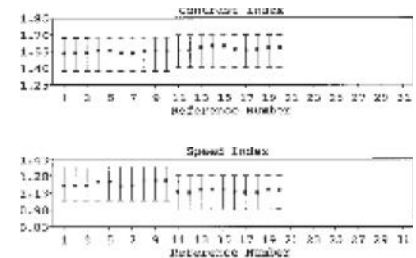
### Available AC adapters (specify with order)

Model	Description	Typical geo. region
14-301	110 VAC 9 VDC 500 mA	USA, Japan
14-399	230 VAC 9 VDC 500 mA	Europe
14-415	230 VAC 9 VDC 500 mA	UK
14-415 and 14-416 adapter	230 VAC 9 VDC 500 mA	Australia

- The only hand-held scanning densitometer in the industry with built-in scanning and single-point (spot) measurement capability, it literally does the work of two densitometers
- “The Little Genius” quickly and easily generates control charts and D-Log-E curves, without the use of external software



D-Log-E curve generated by “The Little Genius” without external software



## Features

- Saves time
- Increases accuracy of readings
- Provides vital information in seconds
- Includes built-in scanning and single-point measurement capabilities
- Available with AutoSTPP X-Ray Film Processor QC Software

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](http://www.flukebiomedical.com/rms).

Specifications are subject to change without notice.

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07-444-ds rev 3 13 june 05