



**LCNDT**<sup>®</sup>

[www.lcndt.net](http://www.lcndt.net)

## Portable Digital Densitometer DT-100

### **Characteristic:**

Handy portable type densitometer

High Accuracy  $\pm 0.03$  D

No warm-up time

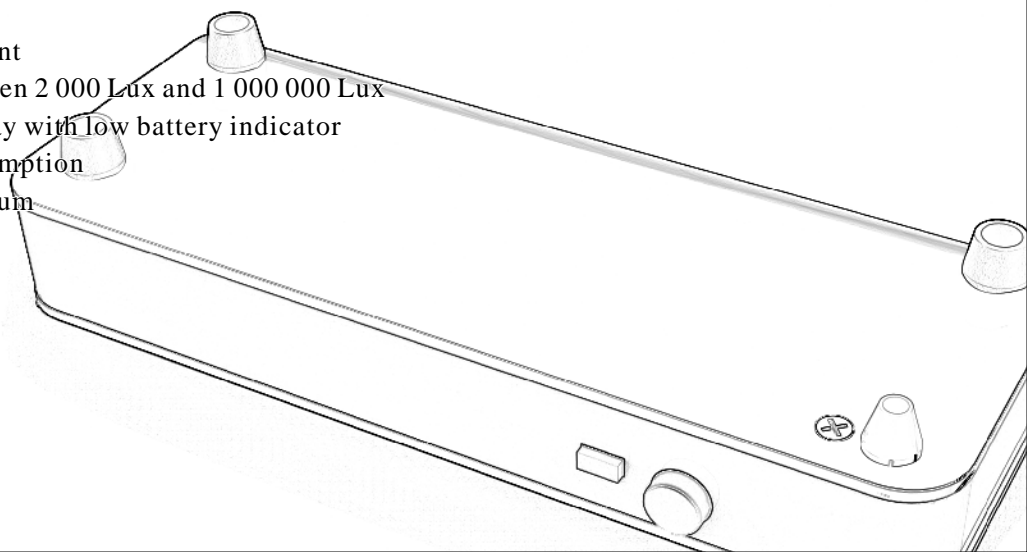
One button automatic zero adjustment

Extremely wide light range of between 2 000 Lux and 1 000 000 Lux

Light illuminated 4 digit LCD display with low battery indicator

Long life due to its low power consumption

Rugged design, whole alloy aluminium



# Portable Digital Densitometer DT-100

The DT-100 is a robust, easy to use, portable densitometer for measuring the transmission density of x-ray film. The unit has been designed for using in one-site mobile darkrooms, laboratories and offices.

The DT-100, with a extremely wide light range of between 5 000 Lux and 1 000 000 Lux, has a density measuring range from 0D to 4.5D with an accuracy to within 0.03D over an aperture of 3mm in diameter.

The operator simply places the film on the viewer (emulsion side up), places the probe on the film where the reading is required and the reading will appear on the 4 digit LCD screen with white light illuminated display. And a low battery warning indicator is provided on the digital display.

DT-100 comes complete with its own battery in a handy sturdy portable smart bag, ready to use straight away.

## Technical Specifications:

Range: 5000Lux-1000000 Lux

Density: 0.00-4.5 D\*

\* We strongly suggest DT-100 work with FV series LED viewers.  
With FV-2008, the maximum density of DT-100 would be > 5.00D.

Optical Aperture: 3mm diameter

Probe Temperature compensated

Display: 4 digit LCD

Accuracy:  $\pm 0.03$  D

Resolution: 0.01D

Repeatability: 0.02D

Detector: Silicon photodiode

Power supply: (AA/1.5V)x2-Alkaline Battery

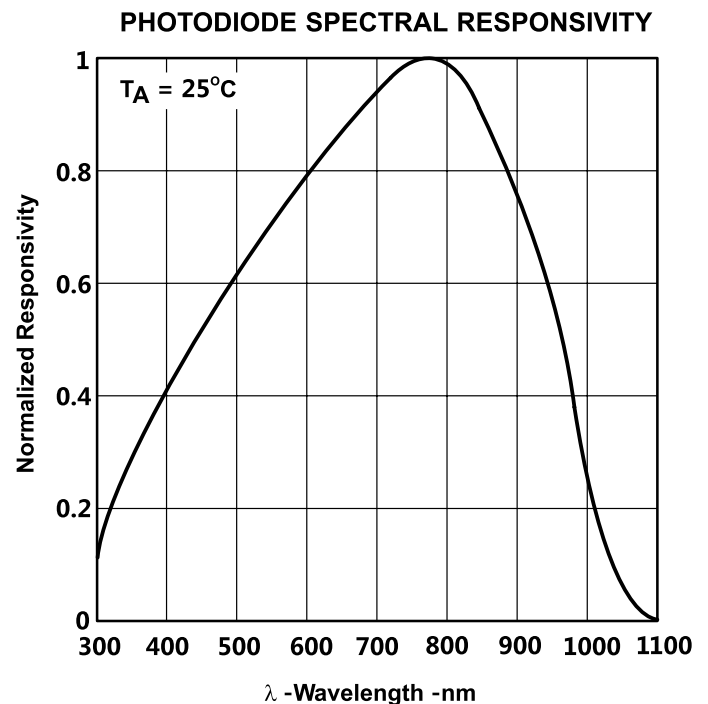
Battery life: 1200 hours

(Continuous duty, without illuminated)

Dimensions: 160mm x 65mm x 23mm

Weight: 260g

## Data for reference:



## Standard Components:

Main unit: 1

Alkaline Battery: 2

Instruction manual (English): 1

Test Report(English): 1

Mini Bag: 1

## Optional Components:

AGFA Density Strip, 15-step, certified



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