



Portable Digital Densitometer DT-100

Characteristic:

Handy portable type densitometer

High Accuracy ± 0.03 D

No warm-up time

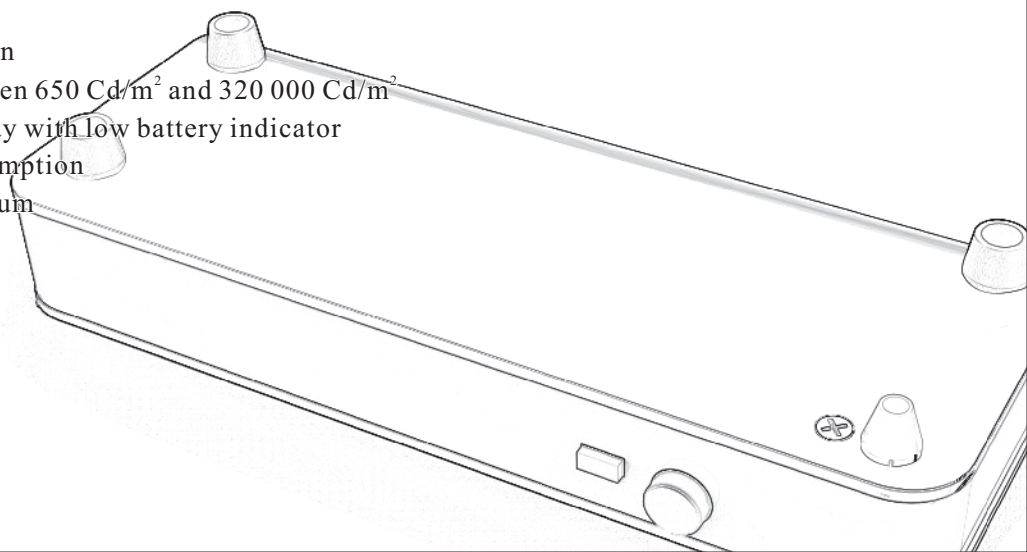
Program Mode for custom calibration

Extremely wide light range of between 650 Cd/m^2 and $320\,000 \text{ Cd/m}^2$

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 650Cd/m^2 and $320\,000\text{Cd/m}^2$, 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: 650Cd/m^2 - $320\,000\text{Cd/m}^2$ (5000Lux - 1000000Lux)

Density: 0.00-4.50 D*

* We strongly suggest DT-100 work with FV series LED viewers.

With FV-2008, the maximum density of DT-100 would be $> 5.00\text{D}$.

Optical Aperture: 3mm diameter

Probe Temperature compensated

Display: 4 digit LCD

Accuracy: $\pm 0.03\text{D}$

Resolution: 0.01D

Repeatability: 0.02D

Custom calibration range: $-0.05 \sim +0.05\text{D}$ (Program Mode)

Detector: Silicon photodiode

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

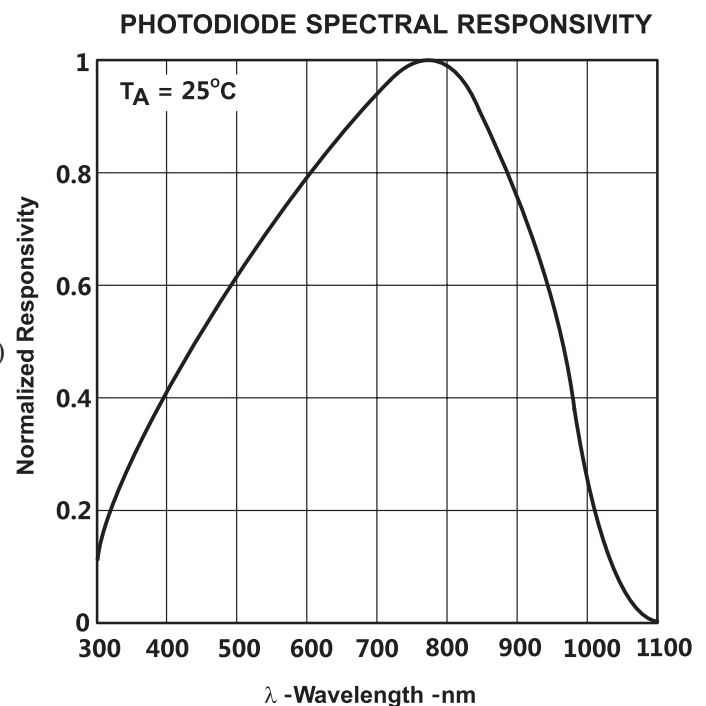
Battery life: 1200 hours

(Continuous duty, without illuminated)

Dimensions: 160mm x 65mm x 23mm

Weight: 260g

Data for reference:



Standard Components:

Main unit: 1

Alkaline Battery: -

Instruction manual (English): 1

Test Report(English): 1

Leather Bag: 1

Optional Components:

AGFA Density Strip, 15-step, certified

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Black and White Transmission Densitometer DT-300

Characteristic:

LED Lighted Table, 5 steps of luminance and 2 areas for selection

High spot luminance, simplifies location of image areas to measure

Program Mode for custom calibration

The densitometer will remain in proper alignment even though it is picked up by the arm

Calibrated to AGFA film strips

Measuring Range: 0 - 5.0D, High Accuracy ± 0.02 D

No warm-up time

Soft Rubber probe head to protect films

Table Type Digital Densitometer DT-300

The DT-300 is table type design, robust, easy to use, densitometer for measuring the black and white transmission x-ray film. The unit has been designed for using in darkrooms, laboratories and offices.

It provides highly repeatable and accurate measurements of film densities up to 5.0D. Because of high luminance of spot light, it is more subtle than can be seen by the naked eye.

The LED light table can be dimmed in 5 steps. And there are 2 sections of light for choose. You can easily see and measure film by this densitometer.

Technical Specifications:

Density: 0.00-5.00 D with 2mm and 3mm apertures
0.00-4.00D with 1mm aperture
Probe Temperature compensated
Display: 4 digit LED
Accuracy: ± 0.02 D
Resolution: 0.01D
Repeatability: 0.01D
Custom calibration range: $-0.19 \sim +0.19$ D (Program Mode)
Warm up time: No need
Detector: Silicon photodiode
Light source: LED
Power supply: 90V-264V AC / 47-63Hz
Dimensions: 360mm x 260mm x 120mm
Weight: 1.7Kg

Standard Components:

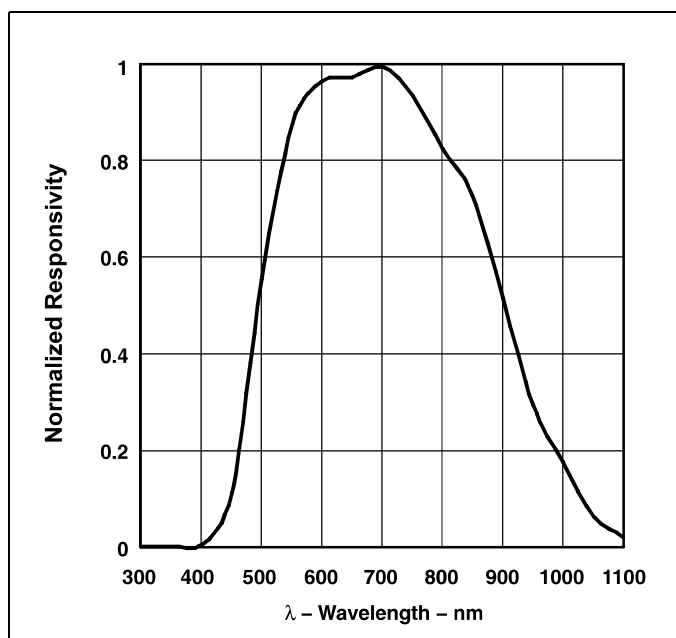
Main unit: 1
Aperture: 3 (1mm, 2mm[default], 3mm)
Instruction manual (English): 1
Test Report(English): 1

Optional Components:

AGFA Density Strip, 15-step, certified

Data for reference:

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