



**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

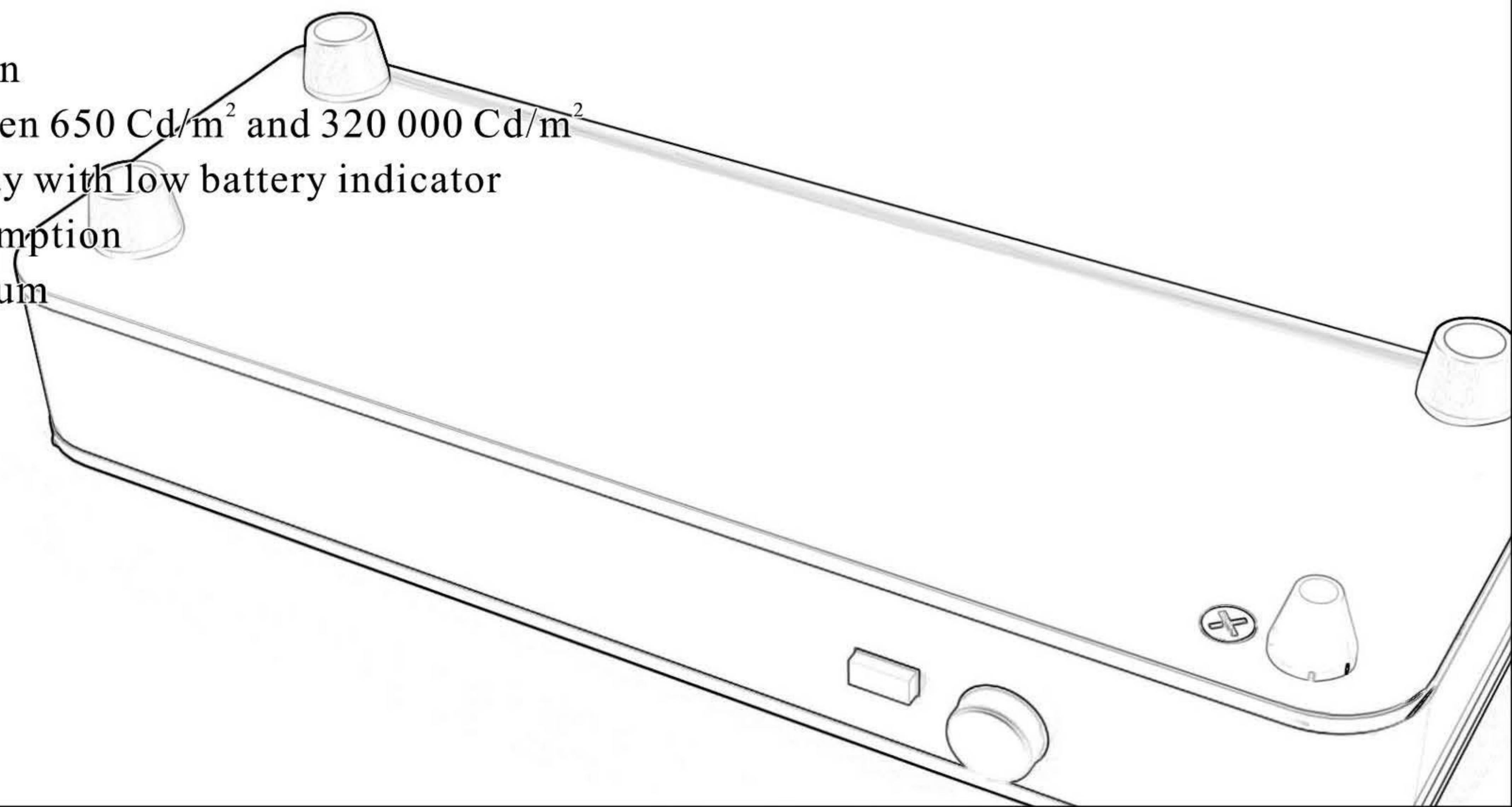
Program Mode for custom calibration

Extremely wide light range of between  $650 \text{ Cd/m}^2$  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<sup>2</sup> and 320 000 Cd/m<sup>2</sup>, has a density measuring range from 0D to 5.0D 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<sup>2</sup>-320 000 Cd/m<sup>2</sup>(5000Lux-1000000Lux)

Density: 0.00-5.00 D\*

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

Optical Aperture: 3mm diameter

Probe Temperature compensated

Display: 4 digit LCD

Accuracy:  $\pm 0.03$  D

Resolution: 0.01D

Repeatability: 0.02D

Custom calibration range:-0.19 ~ +0.19D (ProgramMode)

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

## Standard Components:

Main unit: 1

Alkaline Battery: -

Instruction manual (English): 1

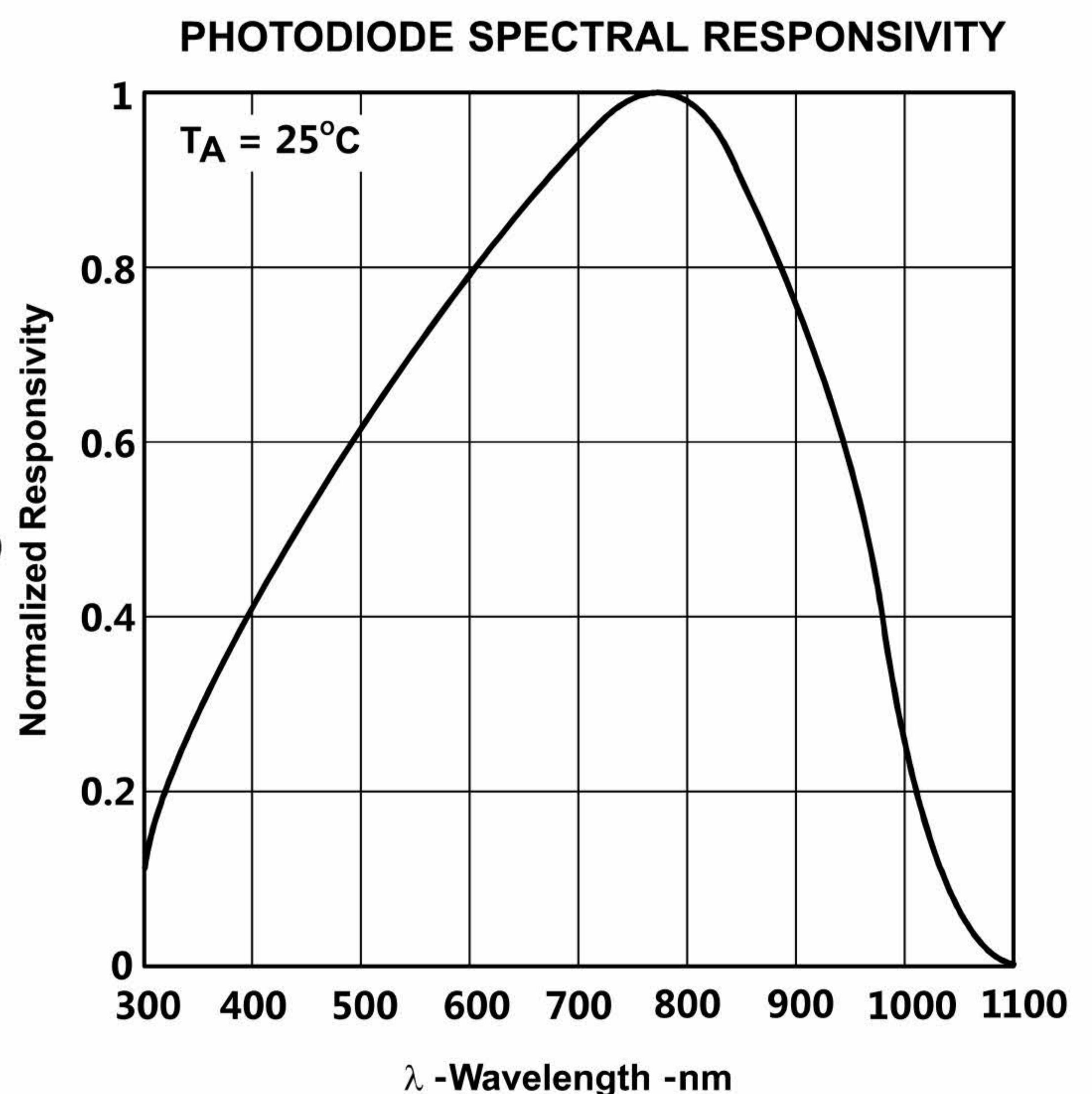
Test Report(English): 1

Leather Bag: 1

## Optional Components:

AGFA Density Strip, 15-step, certified

## Data for reference:



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