

# DENSORAPID D

## DENSORAPID D

Transmission Densitometer

according to ISO 5, ISO 14807, ASTM E1079



For precise determination  
of optical densities of X-ray films

# DENSORAPID D Transmission Densitometer, hand held

For precise determination of optical densities of X-ray films the DENSORAPID D is equipped with innovative digital measuring technique.

The illuminated display enables easy readings even in darkened rooms and calibration of the instrument, done with the software, is simple and much more accurate than on conventional densitometers.

Fault-free measurements even in slightly inclined positions are guaranteed by the ergonomic hand probe with a soft tip avoiding scratches on the film.

The battery is charged with a standard USB charger and ensures an operating time of more than 100 hours with display illumination switched off.

## Specification:

Housing:	ABS plastics, IP 65
Hand probe:	Aluminum, anodized
Measuring range:	D 0.00 ... > 5.00
Resolution:	D 0.01
Accuracy:	+/- D 0.03
Repeatability:	+/- D 0.02
Aperture size:	Ø 2.0 mm
Communication port:	USB 2.0, Micro USB
Battery operating time:	100 hours (illumination off)
USB Charger:	100 ... 240 V, 50 ... 60 Hz, Micro USB
Dimensions unit:	135 x 73 x 29 mm (LxWxH)
Dimensions probe:	Ø 14 x 120 mm (ØxL), cable 1 m
Dimensions case:	325 x 270 x 55 mm
Weight unit:	0.25 kg
Weight total with case:	0.90 kg



Required measuring light source - Film viewer:

Color temperature:	ca. 2,800 ... 5,000 K
Luminance:	ca. 70,000 ... 100,000 cd/m <sup>2</sup>

## Scope of supply:

DENSORAPID D Densitometer

*Article No.: 13 40540*

complete with:

USB Charger

*Article No.: 13 40546*

Transport case

*Article No.: 13 40547*

Measuring mask, magnetic, 10x24 cm / Ø 10 mm

*Article No.: 13 40104*

KOWOSTEP D Density step tablet

*Article No.: 13 40207*

7 density values, >0,30 ... >5,00

Re-calibration interval 3 years

Test certificates, Certificates of Conformity



## Accessories:

Measuring mask, magnetic, 10x24 cm / Ø 10 mm

*Article No.: 13 40084*

X Densitometer holder for KOWOLUX X

*Article No.: 13 40087*

universal for all type hand held Densitometers

BAM X-001 Density step tablet

*Article No.: 13 40205*

15 density values, >0,20 ... >5,00

Re-calibration interval 5 years

