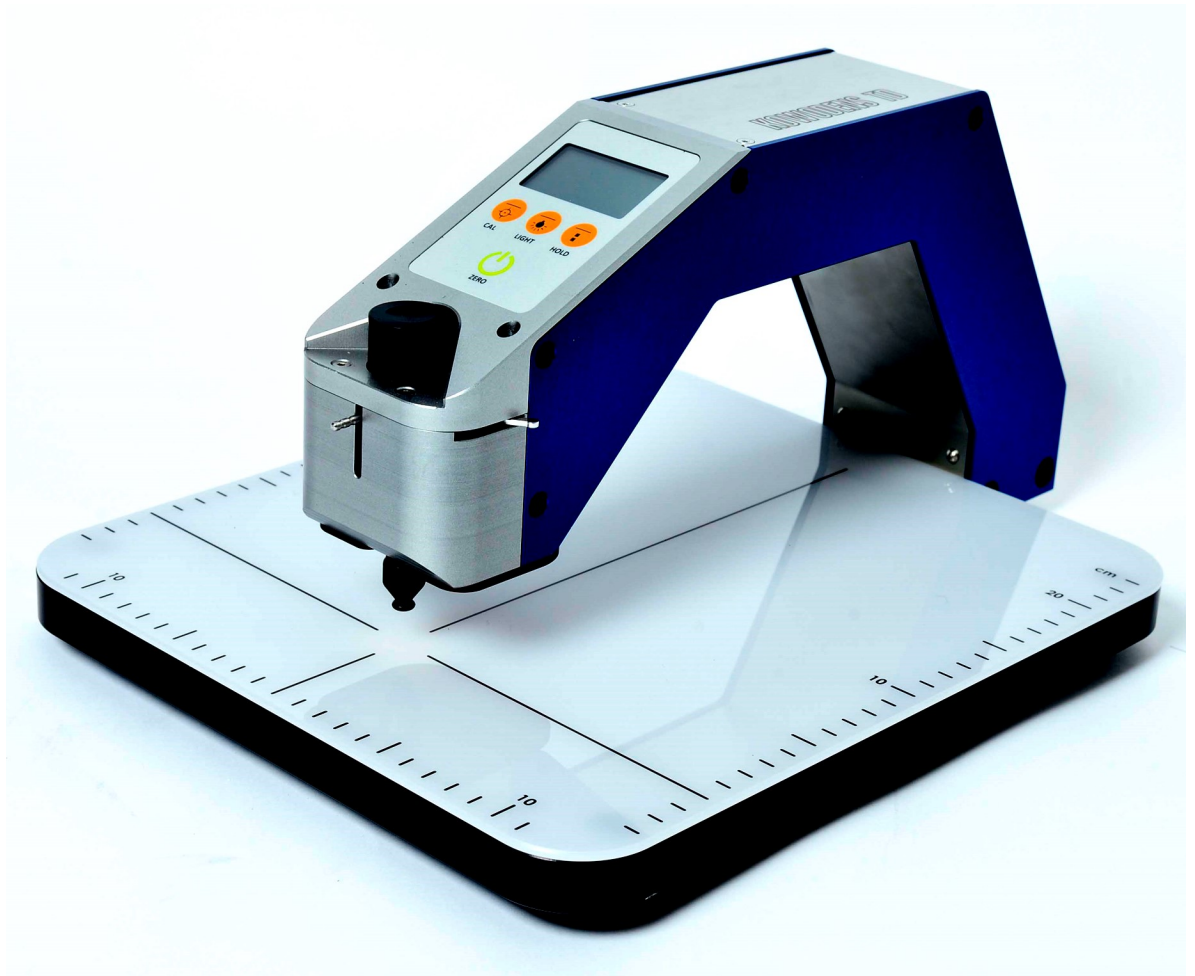


# KOWODENS TD

## KOWODENS TD / TDi

Transmission Densitometer

according to ISO 5, ISO 14807, ASTM E1079



For precise determination  
of optical densities of X-ray films

# KOWODENS TD / TDi Transmission Densitometer, desktop model

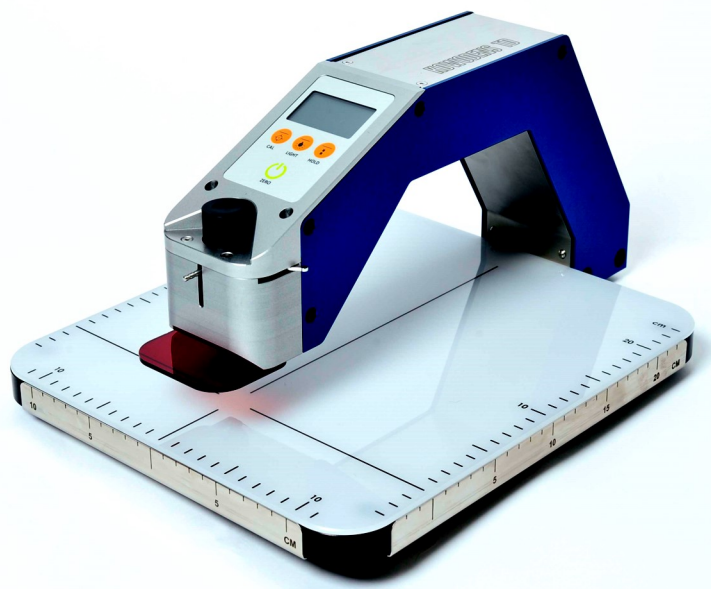
For precise determination of optical densities of X-ray films the KOWODENS TD is equipped with innovative digital measuring technique. The KOWODENS TDi, in addition to the illuminated area around the measuring spot, has a completely illuminated table. The illuminated display enables easy readings even in darkened rooms and calibration of the instrument, done with the software, is simple and much more accurate than on conventional densitometers.

There are two ways of operating the measuring sensor – either by pressing it down onto the film or the sensor is laying on the film with slight pressure and is lifted before moving the film to next measuring spot.

Due to the soft tip sensor and rounded edges of the light table even large format films can be measured without scratching these.

## Specification:

Measuring range:	D 0.000 ... > D 5.50	
	≤ D 4.000	> D 4.00
Resolution:	D 0.001	D 0.01
Accuracy:	+/- D 0.020	+/- D 0.03
Repeatability:	+/- D 0.005	+/- D 0.01
Measuring light source:		
Color temperature:	2,800 K	
Luminance:	≤ D 4.0 - 40,000 cd/m <sup>2</sup>	
	> D 4.0 - 90,000 cd/m <sup>2</sup>	
Aperture size:	Ø 2.0 mm	
Communication port:	USB 2.0, Micro USB	
Power Supply:	100 ... 240 V, 50 ... 60 Hz	
Table illumination - LED:		
Color temperature:	4,000 K	
Luminance:	1,400 cd/m <sup>2</sup>	
Materials:		
Housing:	Aluminum, anodized	
Table:	Lucite (PMMA)	
Dimensions unit:	280 x 380 x 190 mm (WxDxH)	
Dimensions table:	280 x 320 mm (WxD)	
Length measuring arm:	260 mm	
Weight unit:	5.80 kg	
Weight power supply:	0.15 kg	



## Scope of supply:

KOWODENS TDi Densitometer *Article No.: 13 40520*  
with illuminated table

KOWODENS TD Densitometer *Article No.: 13 40530*

complete with:

Power supply unit (plug-in) *Article No.: 13 40532*

Anti-glare shield *Article No.: 13 40533*

Protective cover *Article No.: 13 40534*

Test report,, Certificate of Conformity

## Accessories:

Measuring ruler, set *Article No.: 13 40535*  
>11 < 1 cm, stainless steel

BAM - X001 Density step tablet *Article No.: 13 40205*  
15 density values, >0,20 ... >5,00

Re-calibration BAM - X001, 5 years validity *Article No.: 13 40206*

