



Darklight



Darklight duo ec

Combined Sensi- and Densitometer

for constancy tests of film processors according to German Standard DIN 6868 and International Standard IEC 61223-2-1

easiest handling for quick and safe working with variable pins for any film formats

high precision and reliability

Sensitometer according to DIN 6868 - 2

Densitometer with digital display

Darklight duo scan

Combined Sensi- and Densitometer with integrated PC interface, user menu, and automatic scan

for constancy tests of film processors according to German Standard DIN 6868 and International Standard IEC 61223-2-1

easiest handling for quick and safe working with variable pins for any film formats

high precision and reliability

Sensitometer according to DIN 6868 - 2

Densitometer with digital display

RS232 Interface (9-poles serial socket) for data transmission to PC

integrated user menu for guiding the user through the operation steps for constancy test

stored reference values for up to 25 working places

output of logarithmic speed and average gradient (LS and G) as defined in ISO 9236-1

automatic function for connection measurements for new film batches

output of new reference values according to DIN V 6868-55 (D_{min}, sensitivity index SI, contrast ind. CI)

automatical evaluation of all 21 sensitometer steps by passaging the film: measuring time less than 5 seconds!

manual measurement at any places with 180 mm arm length

Densitometer:

Specification by German Standard DIN 6868 – 2, DIN V 6868 – 55 and International Standard IEC 61223-2-1 Spectral characteristics:

visual optical density according to German standard DIN 4512-3

internal light source Measuring orifice aperture:

0.3 mm Measuring range:

D = 0 up to D > 4.5 Measuring accuracy for D < 3

± 0,01 (max. ± 0,02) Repeat accuracy for D:

± 0,01

Optional:

RS 232 Interface (9-poles serial socket) for data transmission to PC

integrated user menu

Sensitometer:

Specification by German Standard DIN 6868 - 2 and DIN V 6868 - 55

Spectral characteristic:

blue / green switchable Peak wave length:

blue 460 nm \pm 10 nm

green 510 nm \pm 10 nm

Exposure:

adjustable in 5 steps, divided

for every exposure colour

+ 0,3 log exp.

+ 0,15 log exp.

- 0,15 log exp.

- 0,3 log exp.

Long term exposure stability:

\pm 0,02 log exp.

Grey wedge:

21 steps

Grey wedge constant:

0,15 log. exp.

Homogeneity of the steps:

\pm 0,01 log. exp.

Precision of the steps:

\pm 5 % (0,05) for sensi / duo

\pm 1 % (0.01) for sensi ref /duo re

Step 1 covered (Measuring value for base and fog = Dmin)

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