

Gretag Macbeth D196 47B/P Densitometer



Gretag Macbeth D196 Densitometer

Category: Measurement -> Remission-Densitometer

Manufacturer: X-Rite+GretagMacbeth

Not-New

Gretag Macbeth D196

Basic functions

The available basic functions have been marked with an "X"

Measuring functions

- ☒ Density
- ☒ All densities, gray balance
- ☒ Density difference
- ☐ All Density differences
- ☒ Dot gain
- ☒ Impression line
- ☒ Dot area
- ☐ Printing plate measurement
- ☒ Contrast
- ☒ Trapping
- ☒ Hue error / Grayness
- ☒ Auto Function 1 / Auto Function 2
- ☐ User password protection

- ☒ Automatic color detection
- ☒ Polarization filters
- ☐ Without Polarization filters
- ☒ Normed filters for all standard colors and black
- ☒ Display reversal
- ☒ Display contrast adjustable
- ☒ Interface for printer / computer
- ☒ Measurement data with date and time printable
- ☒ Extendable measuring head
- ☒ Step-by-step user guidance with the control wheel
- ☒ 32 reference values stored
- ☒ Ring lens system
- ☒ Data interface RS 232 C

Operation:

Control wheel and measuring key

Display:

Digital LCD, 160 x 128 pixels, full graphics

Measuring geometry:

0°/45° Ring lens system

Light source:

Filament bulb approx. 2856 K

Color filter:

Filter set 47B DIN 16536

Filter set 47 ANSI status T

Filter set NB DIN 16536 interference filter

Filter set SPI ISO status I interference filter

Measuring range:

0.00 D – 2.50 D

Reproducibility:

± 0.01 D

± 1 % (for dot area)

Linearity:

± 0.01 D or ± 1 %

Interinstrument agreement:

± 0.02 D or ± 2 %

Measuring aperture:

Ø 3.6 mm (9/64 in)

Calibration:

Slope: For density measurement

Zero: Automatic

Polarization filter:

2x linear (tube P)

Warm-up time:

none

Power supply:

Rechargeable battery NiMH, nom. 7.2 V,

1000 mAh, Rechargeable battery NiCd,

nom. 7.2 V, 600 mAh

Charge time:

approx. 3 hours, automatic disconnection

Charge status:

automatic capacity checking and display;

additional lithium battery for data memory

Measurements per charge:

approx. 6'000

(with rechargeable battery NiMH)

Measuring time:

approx. 0.8 s

Data interface:

RS 232 C. Densitometer can be controlled

by a remote computer

(details available on request)

Clock:

Date and exact time

Weight:

approx. 890 g (1.96 lb)

Dimensions:

8.3 x 8.0 x 24.5 cm (3.3 x 3.2 x 9.6 in)

Specifications subject to change without notice

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