

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

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

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

BRAKENSIEK®
SYSTEMHAUS



Please only contact us via our registration form and only if you are a business person yourself. Every offer is subject to prior sale and includes your acceptance to our terms & conditions [Terms and conditions \(AGB\)](#). All logos and trademarks on this site are the property of their respective owners.

You will always receive an invoice including tax, which can be paid via wire transfer, in advance or cash. If you register on paypal, you may also pay by charging your paypal account with your credit card. If you are an EU member and you have a validated tax number which can be validated here: [VIES VAT number validation / MwSt.-Informationsaustauschsystem MIAS\) Validierung der MWSt.-Nummer](#) then you pay tax-free. If you are from outside the EU, you can only pay tax-free, if the export is done with the transport company, called 'Schenker'. If you are not using 'Schenker', we cannot guarantee that we will get the export confirmation in time. In that case, you have to pay tax and you get it.



**Brakensiek Systemhaus
GmbH & Co. KG
Klönnestraße 94
D-44143 Dortmund**

www.brakensiek.com

 **+49(0)231.985-00 10**

 **+49(0)231.985-2000**

BRAKENSIEK®
SYSTEMHAUS

Tim Brakensiek