

IQ 200™

COMPUTING
PORTABLE
REFLECTION
DENSITOMETER

- **Available functions:** Density, Density Difference, Dot Area, Dot Gain, Trap, Contrast, Hue Error and Grayness.
- **Simultaneous Display of all filter densities:** Shows the major filter value in large characters; the three minor values are shown smaller.

- **Plainly worded, self-guiding prompts:** Simple directions appear on the display; no complicated operating instructions or training manuals to study.
- **Large, high-contrast display are a:** Easy-to-read display can be viewed from virtually any angle.
- **Murray-Davies and Yule-Nielsen dot area calculations:** Switch between equations at the touch of a button.
- **Automatic turnoff:** Saves battery by shutting off after 90 seconds of non-use.
- **Several thousand readings per battery charge:** Also runs from the AC adapter/charger.
- **RS-232 output port:** Use with a printer for reports, or a computer for analysis or data storage. Selectable manual or automatic transfer.
- **Easy software calibration:** Eliminates trial-and-error screwdriver adjustments.
- **Also available in French, Spanish or Italian:** Displays all user prompts in the selected language.



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SPECIFICATIONS

DESIGN

Electronics.....Microprocessor control
Optical Design.....ANSI PH 2.17
Filter Response.....Status T wide band
Measurement Area3 mm (1.6 mm opt.)
Measurement Range0.00 to 2.50 D
Display.....Supertwist liquid crystal
32 x 80 dot matrix

Character size
Large.....3/8" high
Small3/16" high

Data Output PortRS-232
Output Connector.....DB25P/S
Power SourceNiCad Battery Pack
Adapter/charger

Recharge time.....14 hours
Dimensions.....7½" L x 4" W x 3¼" H
(190 x 102 x 82mm)
Width Across Handle.....2 7/8" (70 mm)
Weight.....1¾ lb. (0.8 kg)

Software Control Functions...Zero and gain calibration
Independent slope control
Serial baud rate (300-19200)
Serial data format
Automatic handshake selection

Accuracy.....±0.02 D
Precision.....±0.01 D
Zero Stability.....±0.01 D/8 hrs.

STANDARD ACCESSORIES

Instruction manual
Ceramic calibration plaque
Serial interface cable
A.C. adapter/charger
Carrying case

PERFORMANCE

Measurement Functions.....Density
Density difference, Dot gain
Dot area (Murray-Davies or Yule-Nielsen)
Contrast, Trap (Preucil)
Hue error, Grayness

