

T H E T O B I A S

TQ+™

COMPUTING BLACK&WHITE
PORTABLE TRANSMISSION
DENSITOMETER

- **Lightweight but accurate.** Simple push-button operation facilitates density measurements; cordless convenience allows transmission readings at any location.
- **Dot area measurements.** Read positive or negative dot area on film. Enter fog and solid values of your film for maximum accuracy.
- **Density difference readings.** Any density measurement may be stored as a reference. Subsequent readings will show density differences from the stored value.
- **Wide density range.** The TQ+ reads a film density value up to 6.00D with rock solid accuracy and stability.
- **Automatic light-table.** Instant illumination when sample is placed over aperture. Inscribed crosshairs on the mini light-table pinpoint target area, ensuring accurate positioning.
- **Smart charger.** Fast charge in only 4 hours; switches to trickle charge when batteries are recharged. Red/green LED shows status of charge.
- **Thousands of readings per charge.** Low battery warning when recharging is required. Also runs from charger with 100% duty cycle, if needed. Shuts off automatically to extend battery life.
- **RS-232 serial port.** Use with a printer for hard copy or with a computer for analysis or data storage.



TOBIAS
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SPECIFICATIONS

DESIGN

Display .LCD, 2x8* characters, ea. 0.2" high
Optical Design..... ANSI PH 2.19
Aperture 1,2,3 mm
Filters Visual
IR Elimination..... Built-in
Recharge Time 4 hours
Power..... NiCad batteries, 6 AA
Dimensions
 Console (LxWxD) ...8x3x2.3" (203x76x58mm)
 Table Size 1.6x1.9" (41x48mm)
 Depth of Throat.....6" (153 mm)
Weight.....28 oz. (0.8 kg)
Data Output Port Serial, RS-232,
 300-9600 bps
Output Connector.....RJ12

PERFORMANCE

Measuring Range 0 to 6.00D
Accuracy ±0.02 D
Precision..... ±0.01 D
Zero Stability..... ±0.01 D/8 hrs.
Warm-up Time <5 seconds

STANDARD ACCESSORIES

Instruction Manual
 Calibration Standard
 AC Charger
 Serial Link Cable
 DB25S Adapter
 Carrying Case
 Tool Kit



"CREATIVE BY DESIGN — PROVEN BY PERFORMANCE"