

TBX1000TM Series Specifications

TOBIAS **ASSOCIATES, INC.**

Transmission Densitometers



The **TBX1000TM** Transmission Densitometer measures ISO Visual diffuse Optical Density (OD) to 6.00D. This wide measuring range allows evaluation of many types of film, laminates, and substrates. The **TBX1500TM** also calculates positive and negative dot areas while the **TBX2000TM** measures percent opacity and transmission. The data can be uploaded to spreadsheets via the USB port. To meet special requirements an optional filter carrier may be supplied allowing supplementary filters to be used to isolate a portion of the spectrum that may be of interest. The TBXTM can show deviations from a stored reference value for all functions.

Features:

- Soft key menu operation
- Advance optical system to meet various industries' specifications
- 7.5 inch throat to measure large samples
- Readings are very repeatable with a high degree of accuracy
- Optional band pass filter
- USB port standard
- Software Calibration
- Switchable LED table lamps
- Excellent for measuring optical densities of metallized films.

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Specifications...

Optical Design	ANSI PH2.19
Display	Graphical LCD (128x64 pixel)
Apertures	1, 2, 3mm
Throat Length (Arm).....	7.5 inches (191mm)
Output Port.....	USB
Power.....	12V via universal 110/220 Adapter
Measuring Range.....	0 to 6.00D
Accuracy	±0.02D
Precision	±0.01D
Warm-up Time	None

Options...

Model	Part #	Functions
TBX1000	FD343-10 (USA); FF343-10 (Intl.)	Density; Density Difference
TBX1500	FD343-15 (USA); FF343-15 (Intl.)	Density; Density Difference; Positive and Negative Dot Areas
TBX2000	FD343-20 (USA); FF343-20 (Intl.)	Density, Density Difference; % Transmission; % Opacity

Consult factory for custom filter option.



Easy to use soft keys allow for quick access to the different functions.



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