

TBX1000TM Series Specifications

TOBIAS **ASSOCIATES, INC.**

Transmission Densitometers



The **TBX1000TM** Transmission Densitometer measures ISO Visual diffuse Optical Density (OD) to 6.60D. This wide measuring range allows evaluation of many types of film, laminates, and substrates. The unit comes with a 2.00D calibration standard but optional valued calibration standards may be purchased. 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 its USB port (An optional program needs to be purchased). The **TBXTM** can show deviations from a stored reference value for all functions.

Features:

- Soft key menu operation
- Advanced 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.

www.densitometer.com

sales@tobiasinc.com

1•800•877•3367

215•322•1500

Specifications...

| | |
|--------------------------|---|
| Optical Design | ANSI PH2.19 |
| Display | Graphical LCD (128x64 pixel) |
| Apertures | 1, 2, 3mm |
| Dimensions | 13(L)x9(W)x4.5(H) inches (330x229x114 mm) |
| Throat Length (Arm)..... | 7.5 inches (191mm) |
| Output Port..... | USB |
| Power..... | 12V via universal 110/220VAC Adapter |
| Measuring Range..... | 0 to 6.60D |
| 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 |



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



50 INDUSTRIAL DRIVE
 IVYLAND, PA. 18974-1433 USA
 Voice: 215-322-1500
 Email: sales@tobiasinc.com

TBX™, TBX1000™, TBX1500™, and TBX2000™ are trademarks of Tobias Associates, Inc.