The TBX1000™ 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 TBX1500™ also calculates positive and negative dot areas while the TBX2000™ measures percent opacity and transmission. The data can be uploaded to spreadsheets via its USB port (An optional program needs to be purchased). The TBX™ 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.
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...

<table>
<thead>
<tr>
<th>Model</th>
<th>Part #</th>
<th>Functions</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBX1000</td>
<td>FD343-10 (USA); FF343-10 (Intl.)</td>
<td>Density; Density Difference</td>
</tr>
<tr>
<td>TBX1500</td>
<td>FD343-15 (USA); FF343-15 (Intl.)</td>
<td>Density; Density Difference; Positive and Negative Dot Areas</td>
</tr>
<tr>
<td>TBX2000</td>
<td>FD343-20 (USA); FF343-20 (Intl.)</td>
<td>Density, Density Difference; % Transmission; % Opacity</td>
</tr>
</tbody>
</table>

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

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