

# Digital Hand-Held Tension Meter | DTWB – DTWX

## Features

- Large bending radius assures gentle handling of the material being measured
- A precision strain-gauge sensing system accurately measures the force on the middle sensing roller.
- High-Speed Measurement Captures Max, Min & Peak Tension Values



## DTWX Additional Features

- Built-in datalogging with RS232 and 0-1 VDC Analog output
- Memory capacity of 100 values plus min, max, peak, avg and standard deviation
- Optional TensionView software available for batch download or continuous real-time trending

## Specifications

|                                     |                                                                                                                                            |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Accuracy*</b>                    | $\pm 0.5\%$ Full Scale, $\pm 1$ digit<br>(10 - 90% of Full Scale)<br>$\pm 3.0\%$ Full Scale, $\pm 1$ digit<br>(Remaining portion of range) |
| <b>Measuring Frequency</b>          | 16 m/sec (62.5 samples/sec)                                                                                                                |
| <b>Deflection of Sensing Roller</b> | 0.2 mm (maximum)                                                                                                                           |
| <b>Overload Capacity</b>            | 200% of Full Scale                                                                                                                         |
| <b>Display</b>                      | 4-Digit LCD, 12 mm high                                                                                                                    |
| <b>Display Update Rate</b>          | 0.5, 1.0, 2.0 or 4.0 seconds, dip-switch selectable                                                                                        |
| <b>Standard Memory</b>              | Last, maximum, minimum and peak                                                                                                            |

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| <b>Field Calibration Adjustment</b> | ± 7 steps, 1.5% per step |
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| <b>Battery Type</b> | Four (4) 1.5 V AA (included) |
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| <b>Battery Life</b> | 20 hours, continuous use |
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| <b>Auto Power Off</b> | After 2 minutes of non-use |
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| <b>Roller Material</b> | Hard-Coated Aluminum |
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| <b>Maximum Speed</b> | 1000 meters per minute |
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| <b>Housing Material</b> | Die-cast Aluminum |
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|               |                   |
|---------------|-------------------|
| <b>Weight</b> | 1.43 lbs. (650 g) |
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| <b>Operating Temperature</b> | 32 to 132 °F (0 to 45 °C) |
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| <b>Warranty</b> | One year |
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