



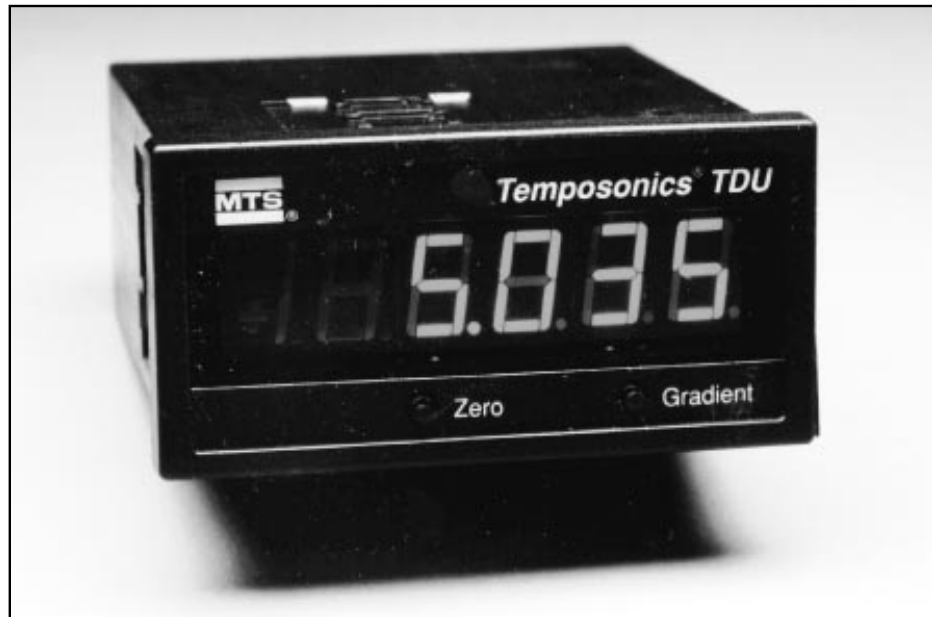
TEMPOSONICS®

550178 B

Temposonics® Display Unit (TDU) Model TDU-100

Features:

- **Zero Reset (along entire stroke)**
- **Scaled Outputs**
 - Inches
 - Millimeters
 - Centimeters
 - Meters
- **Compatible with Temposonics II & Temposonics LP**
- **Large 5 1/4 digit LED characters**



The Temposonics Display Unit (TDU) provides a large, clear, LED readout of accurate measurement data. The TDU is ideal for use in applications where immediate visual verification of position is required, such as plastic and woodworking applications.

The TDU is designed to work with both the Temposonics II and Temposonics LP transducers with Start/Stop output. Together, the TDU and Temposonics transducers provide a highly accurate, reliable, and easy to use position display system.

If you want to find out more about the TDU or any of the other Temposonics products, please call MTS Sensors Division at (800) 633-7609.

Specifications

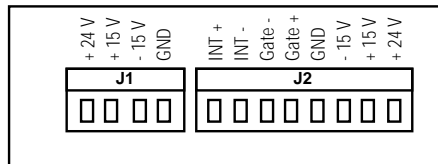
Temposonics Display Unit (Model TDU-100)

Parameter	Specifications
Supply Voltage:	<ul style="list-style-type: none"> w/Temposonics II: ± 15 Vdc w/Temposonics LP: + 20 to 24 Vdc
Sensor Product Life:	<ul style="list-style-type: none"> Active Sensing Element - 4 x 10⁶ MTBF
Display Electronics Enclosure:	<ul style="list-style-type: none"> Drip, dust and rust resistant
Non Linearity (transducer):	<ul style="list-style-type: none"> Temposonics II: $< \pm 0.05\%$ F.S. or ± 0.0001 inch (± 0.0025 mm)* Temposonics LP: $\pm 0.1\%$ of F.S., minimum of ± 0.004 in. (0.10 mm)*
Repeatability (transducer):	<ul style="list-style-type: none"> $\pm 0.001\%$ of full stroke, or ± 0.0001 in. (± 0.0025 mm)
Measuring Range (transducer):	<ul style="list-style-type: none"> Temposonics II: Up to 25 feet Temposonics LP: Up to 48 inches
Operating Temperature:	<ul style="list-style-type: none"> 32 to 158°F (0 to 70°C)
Output:	<ul style="list-style-type: none"> 5 1/4 digit LED display; Outputs selected via internal dip switch
Inches: 199.995	<ul style="list-style-type: none"> 0.005 in.
Millimeters: 5080.00	<ul style="list-style-type: none"> 0.1 mm
Centimeters: 508.00	<ul style="list-style-type: none"> 0.01 cm
Meters: 5.0800	<ul style="list-style-type: none"> 0.0001 m
Zero Reset:	<ul style="list-style-type: none"> Available on front of display panel

Specifications are subject to change without notice. Contact MTS for verification of specifications critical to your needs.

* Measurements are independent Best Straight Line (BSL)

Connections



For more detailed literature on Temposonics products, or to talk with an MTS representative, call toll free.

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Temposonics is a registered trademark of MTS Systems Corporation
Temposonics products are covered by US patents 3,898,555; 4,726,226; 4,721,902; 4,298,861; 4,952,873 and additional patents pending.