

# Panel Mount Tachometers

## DT-5TX

### *Multi-featured and accepts numerous modules*

In addition to the functions and options of our popular DT-5TS unit, the DT-5TX panel tachometer also accepts various modules, enabling it to output data for analysis or record keeping. Up to two modules can be accepted simultaneously, offering an enormous number of combinations and options. The DT-5TX measures and displays RPM, linear speed/rate, elapsed time, process time and accepts input signals from most types of sensors available today.

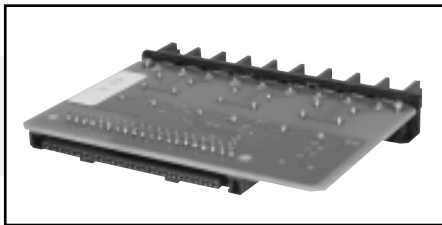
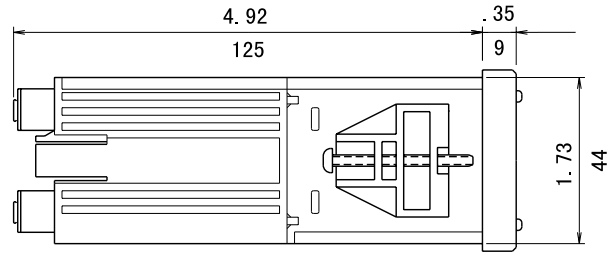
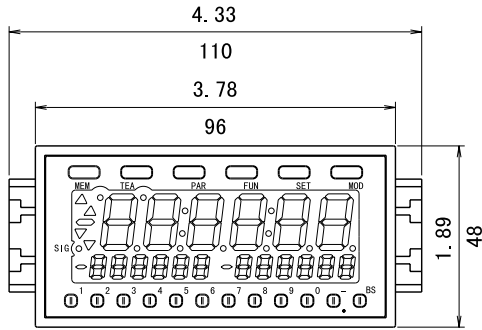


### Features

### Benefits

Highly accurate ( $\pm 0.008\% \pm 1$ digit)	Ideal for applications requiring high precision measurements
Fully scalable	Eliminates the need for multiple instruments
Large 6 digit LED display plus two smaller 6 digit secondary displays	Easy to read display enables user to view "set points" at all times
Fully programmable	Permits easy selection of sensors
Selectable decimal point	Allows the highest resolution possible
Wide range input voltage (85 - 264VAC, 50/60Hz)	Eliminates multiple voltage versions (or the need to change transformers)
Provides a DC voltage source	Reduces cost by eliminating need for separate various sensors power supply
Accepts output modules	Allows user to store/control information (i.e. voltage, current, RS232C etc.) and/or processes
Parameters protected via front cover (rated IP66)	Protects programs from accidental changes;enables the unit to become water resistant
1/8 din cutout	Panel cutout allows easy mounting
Selectable update time	A must for accelerating/decelerating functions
Accepts multiple sensors	Flexibility in accepting any type of Shimpo sensor

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Information on DT-5TX compatible **MODULES** can be found on page 37.



Information on DT-5TX compatible **SENSORS** can be found on pages 38-39.

## SPECIFICATIONS

Model	DT-5TX		
Mode	Tachometer / Rate Meter	Elapsed Time	Process Time
Display Range	0 - 999999 with selectable decimal Point	0:00:00 - 9:59:59 or 0.00 - 999.99 sec	0:00:00 - 0:59:59 or 0.00 - 999.99 sec
Scalable	Yes (with outputs, see modules)		
Accuracy	± 0.008 % ± 1 digit		± 0.1 % ± 1 digit
Display Update Time	0.2, 0.5, 1, 2, 5, 10, 15, 30, 60 seconds (selectable)		
Time Base	Controlled by a 16.000 MHz crystal		
Display	6 digit 0.59" (15 mm) high LED (main), 2-6 digit 0.02" (6.5 mm) high auxiliary		
Input No. of P/R	1 - 9,999 (programmable)		
Input Signal Characteristics	NPN open collector input : max. frequency 100 kHz Contact input : max. frequency 20 Hz Square wave input : max. frequency 30 kHz Sine wave input (magnetic pickup) : max. frequency 10 kHz		
Sensor Power Supply	12 VDC (150 mA)		
Voltage Requirement	85 - 264 VAC (50/60 Hz) (9 - 35 VDC at 1 W also available)		
Ambient Temperature	32°- 113° F (0- 45° C)		
Weight	0.66 lb (300 g)		
Dimensions	5.27" L x 3.78" W x 1.89" H (134 mm x 96 mm x 48 mm)		
Warranty	1 year		
OPTIONAL ACCESSORIES	Sensors, modules		