

Panel Mount Tachometers

DT-5TS

Versatile unit value-packed with features

Loaded with features found in more expensive units, the DT-5TS panel mount tachometer is extremely versatile. Fully scalable and able to measure and display RPM, linear speed/rate, elapsed time and process time; it accepts signals from a variety of sensors, such as pulse generators, proximity sensors, photoelectric sensors, magnetic sensors and NPN OC transistors.

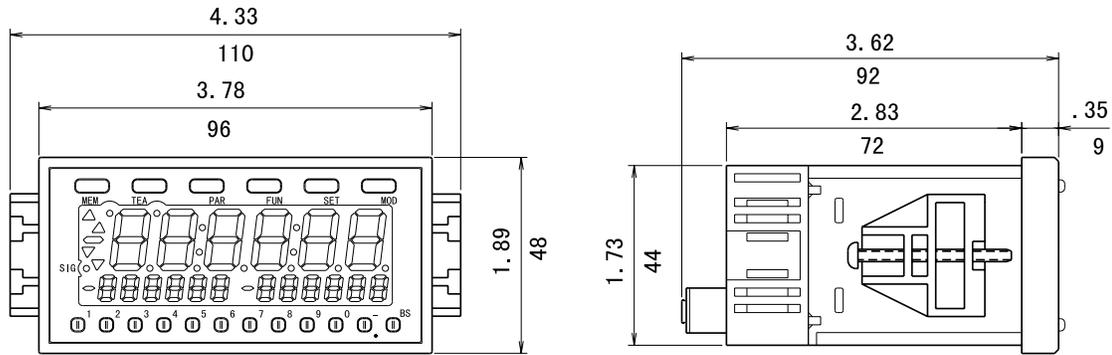


Features

Benefits

Highly accurate ($\pm 0.008\% \pm 1$ digit)	Ideal for QC inspection and process control
Large 6 digit LED display plus two smaller 6 digit secondary displays	Prevents eye strain; display easily viewed from greater distances
Scalable	Gives user the flexibility to set up and monitor virtually any process
Selectable update time	Allows operator to speed up/slow down display changes to facilitate process
Wide range input voltage (85 - 264VAC, 50/60Hz)	Eliminates need for low and high voltage versions
Accepts multiple sensors	Flexibility in choosing any type of Shimpo sensor
Protected selected parameters	All programming is done through front mounted switches protected with front cover; no accidental bumping to wrong position
IP66 front panel protection	Front panel, water resistant
Selectable decimal point	Allows for the highest resolution possible
1/8 din cutout mounting	Panel cutout permits easy mounting
Provides DC power source to powers various sensors	Saves money by eliminating need for separate power supply

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

S P E C I F I C A T I O N S			
Model	DT-5TS		
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 (no outputs)		
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	0.5 lb (234 g)		
Dimensions	3.62" L x 3.78" W x 1.89" H (92 mm x 96 mm x 48 mm)		
Warranty	1 year		
OPTIONAL ACCESSORIES	Sensors		