

Product Specification for model TT Transducer Tester



The Rapid Controls model TT Transducer Tester interfaces with multiple types of magnetostrictive transducers and displays position and status information from the transducer. It is capable of testing SSI, PWM, Start/Stop (Differential and Neuter), and MTS protocol CANbus, CANOpen, and Profibus transducers. Position display can be in raw counts or engineering units. A Min/Max display mode allows determination of jitter and detection of intermittent faults. Transducer selection is accomplished via the front-panel keypad. The unit is housed in a high-impact plastic enclosure and is available with an internal battery for use away from AC power.

Features

- Compatible with Start/Stop, Start/Stop Trailing Edge, PWM, Neuter, SSI, Analog, and MTS protocol CANbus, CANOpen, and Profibus DP sensors
- Optionally battery powered for easy testing at any location
- 2 line x 20 character backlit LCD display for magnetostrictive transducers
- Capable of calibrating MTS SSI transducers at 1200 or 4800bps
- Programmable analog output for data logging
- Six button front panel keypad to accommodate front panel setup
- Removable 5mm Phoenix type screw terminals for connections
- 2+ hour battery life while powering a transducer
- Setup stored in non-volatile EEPROM memory

Specifications

- Power requirements: less than 1A from 90-264VAC at 47-440Hz
- SSI, Start/Stop, and PWM outputs are RS422 differential
- SSI, Start/Stop, and PWM inputs drive an optoisolator
- Start/Stop single-ended (neuter) level must be at least 1.2V
- Analog output is scalable to any position range
- Switched 24V sensor power is current limited to 200mA
- Optional +/-15V sensor power
- Minimum of 1 hour battery life (while powering one transducer)
- Housed in plastic enclosure: 10.5x9x5 inches without battery, 10.5x9x7 inches with battery
- Weight: 5 pounds without battery, 10 pounds with battery

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