

TMS 1000 TURBINE MONITOR



The TMS 1000 is a self-powered turbine monitoring system.

Designed by Stalwart and supported by MSHS Pacific Power Groups, this system was made specifically for small general-purpose steam turbines. The unit monitors speed, temperature, and vibration, logging all data for several years.

Data retrieval is made easy via built-in SD cards and optional Bluetooth communications. In addition, the display allows access to real-time and logged data, including vibration plots.

The system generates its own power, avoiding the need for costly power runs.

KEY FEATURES:

Self-Powered

- Avoids the need for costly power runs.
- Power module mounts between turbine and TG governor.

Monitoring

- Speed.
- Up to 4 temperature channels.
- Up to 12 vibration channels.
- All parameters available as 4-20mA outs.

Data Logging and Storage

- Speed – 10 samples/second.
- Temperature – 1 sample/sec.
- Vibration – 1 record/hour, ½ second sample window, 20 kHz sampling rate.
- Redundant 32GB SD cards.
- Over two years of data on 32GB cards.

Full Graphics Display

- Allows local review of real-time and stored data.
- Detailed analysis of historical data.
- Detailed vibration plots with on-board FFT capability.

Integrated Speed Display at TG

- Allows for easy speed setting

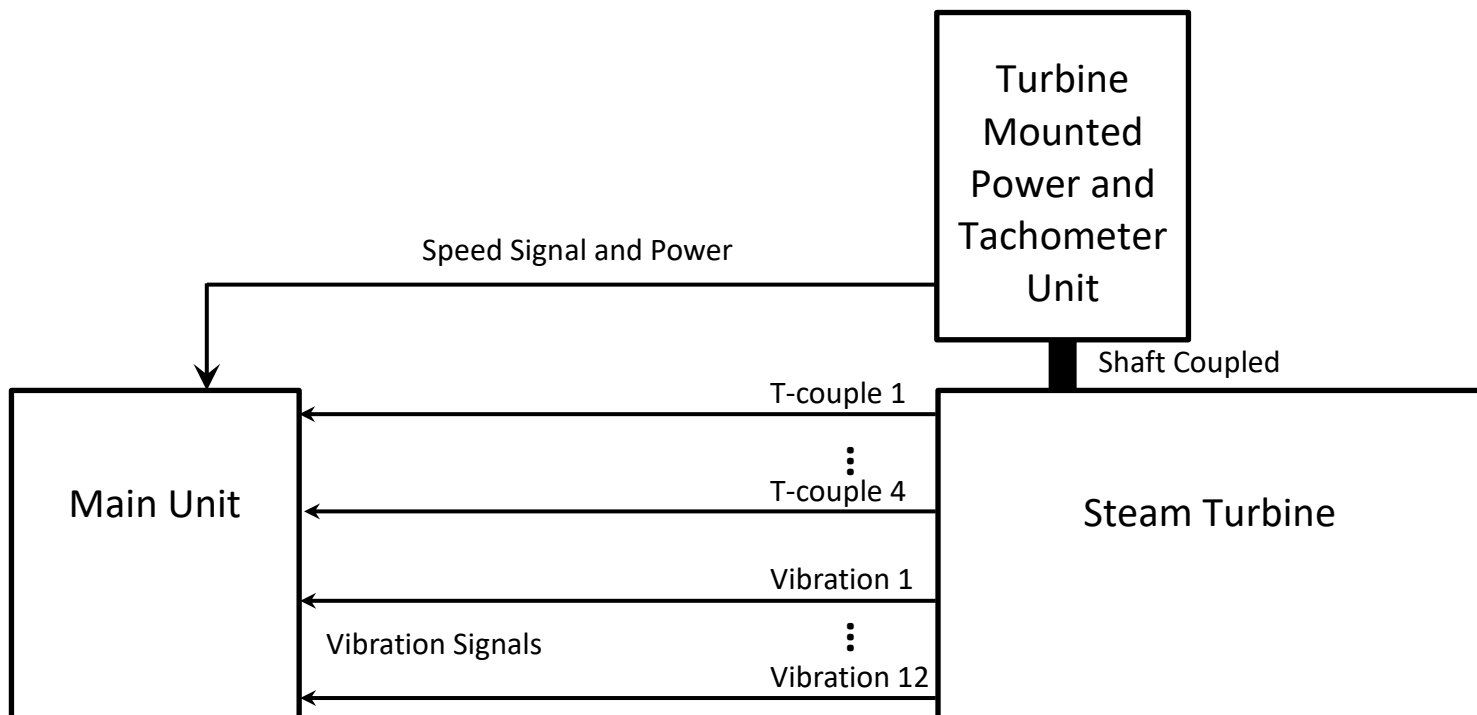
Data Retrieval

- Dedicated SD card for data retrieval
- Bluetooth access to real-time data

Self-Powered Turbine Monitoring System

System Interconnections

Without other optional features



Hazardous Locations Certifications

- Certified for Class I Division 2 hazardous locations (certification pending).

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