



FEATURES

- Inverse period fractional frequency measurement up to 120,000 RPM with 24.576 MHz reference clock and 64 bit calculation precision
- 0.343 RPM minimum measurable
- 0.001 RPM resolution to 1,214 RPM
- 0.01 RPM resolution to 3,840 RPM
- 0.1 RPM resolution to 12,143 RPM
- 1 RPM resolution to 38,400 RPM
- 10 RPM resolution to 121,431 RPM
- ESD protected input
- Programmable alarm thresholds
- Programmable number of sensors
- <20ppm measurement error
- 115.2 Kbaud serial output every measurement
- 1.1" by 3.75" package
- 5V to 9V input power
- Backlit display

DESCRIPTION

The E2062-RPM frequency counter is a compact unit measuring RPM using inverse period measurement accurate to 20ppm. Inverse period frequency measurement measures several integer periods over approximately one eighth of a second before calculating the RPM using a 64 bit division. Programmable alarm thresholds allow abnormal RPM conditions to be detected. A serial output allows the measured RPM to be monitored.

APPLICATIONS

- Instrumentation
- Process control