



Model 1856D

3.5GHz Frequency Counter

Data Sheet

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This reciprocal FREQUENCY COUNTER is a microprocessor-controlled instrument for frequency measurement. Due to uniquely developed LSI circuitry in an expanding/reciprocal system, high accuracy with 9-digit resolution is achieved with a one second gate time. It covers a frequency range of from 0.1 Hz to 3.5 GHz based on a 10 MHz TCO (Temperature Controlled Oscillator). Other features include:

- **RPM (Revolutions Per Minute) Measuring Function**
- **External Frequency Standard Input with 9 Digit LED Display**
- **Attenuator**
- **Period**
- **Total**
- **Low Pass Filter**
- **Line Filter**
- **RS-232 Interface**



Also provided is a self-test function for a quick check of several operating modes. Each mode can be selected by a front panel push button switch with automatic decimal points and indicators. The high accuracy, sensitivity and versatility of this counter make it an extremely valuable instrument to the scientist, engineer, experimenter and communications technician. Lightweight and compact size make it practical for use by the hobbyist or field technician.

Specifications	
	model 1856D
Range	3.5GHz
FUNCTIONS	
Frequency	✓
Totalize	✓
Period	✓
Time Base Stability	± 1ppm
Best Resolution	(INT) 10 nHz
No. of Digits	9
Display Hold	✓
Low Pass Filter	✓
Sensitivity	30 mVrms
Self Test	✓