

Timer

TS1004

Timer is used to capture the amount of change in an object during motion, such as time change, frequency change of motion, etc.

Functions:

1. With LCD display, it can directly display the measurement data.
2. Adopting high reliability and high precision quartz crystal oscillator, time precision 0.0001s, frequency precision 0.1Hz.
3. Measurement range: time 0 ~99999s, frequency: 0.0001kHz~100kHz.
4. Multiple modes of measurement: time interval, frequency, period, stopwatch, counting 5 measurement modes can be switched to carry out a variety of experiments, such as the measurement of the period of a single pendulum motion, free-fall motion and so on.
5. Support A, B and A-B channel mode, comes with two special photogate sensors, you can choose the sensor work.
6. Stores and can be placed back in the time interval mode captured by the photoelectric gate of the multiple blocking time.
7. Can be re-recorded by reset button.



timer specification	
Basic parameter	20 MHz crystal; 0.4ms time interval resolution; 0.0001s display resolution
Input voltage	9V DC / 500mA (inside is positive, outside is negative)
Power supply	9V DC or 9V battery
Interface for sensor	RJ-45 port
Interval mode	0.0001s resolution, max. Range is 99,999s
	Three independent storage modes of interval: Photogate A, Photogate B, Photogate A to Photogate B
Frequency mode	There are A, B, A to B and B to A four measurement modes of frequency; max. range is 100K Hz, accuracy is 0.1Hz
Period mode	A and B are two independent channels can be measured independently, the max. range can reach 19,999s
Stopwatch mode	Within 59.99s, accuracy is 0.01s; within 199min59s, the accuracy is 1s
Count mode	A and B are two independent channels can be measured independently, the max. range can reach 19,999s