

9210 MULTIFUNCTION TACHOMETER



TACHOMETER

The instrument computes the speed value according to the input pulse frequency coming from the external detector (proximity, pick-up, optical detector, etc.).

FREQUENCY METER

The instrument computes the input pulse frequency value. This value can be converted into another unit format in order to correspond to the desired measuring unit.

TOTALIZER

Input pulses coming from an external sensor (proximity, pick-up, etc.) are totalized. This value can be converted into another unit format in order to correspond to the desired measuring unit.

TIMER

When the "SIGNAL" input is connected to GROUND the timer starts counting until the input returns to the open condition.

TECHNICAL FEATURES

Display 5 digit high efficiency LED 13mm height
 Accuracy $\pm 0.005\% \pm 1$ digit
 OVERFLOW indication
 HOLD function
 MAX and MIN value memory
 4 function decimal point (0-1-2-auto)
 Parameters are easily set on the front panel keyboard
 2 alarm relays fully programmable.

SENSORS Optical detector, Proximity, Pick-up,
 Contact sensor, encoder, etc.
 Sensor power supply : 12Vdc/30mA
 or 5Vdc/30mA

Input waveform :

Sinusoidal min 100mVpp (at 1KHz), max 50Vac
 Square or open-collector low=0-1.5V high=4-30V
 INPUT LOAD (pick-up): 18K Ω
 INPUT LOAD (open collector): 2K Ω

MINIMUM FREQUENCY RATE:

Tachometer 2 r.p.m. (1 pulse per rev.)
 Frequency-meter 0,034Hz

MAXIMUM FREQUENCY RATE:

Tachometer and frequency-meter 60KHz
 Totalizer 4KHz

ALARM RELAYS

Max. allowed current: 1A at 125 Vac
 Max. commutating power: 50VA

Power supply

9210.001 Multifunction panel tachometer 220Vac
9210.002 Multifunction panel tachometer 110Vac
9210.003 Multifunction panel tachometer 12Vdc
9210.004 Multifunction panel tachometer 24Vdc
9210.005 Multifunction panel tachometer 24Vac
9210.006 Multifunction panel tachometer 12Vac

9010.100 Optional ANALOG OUTPUT
 0-10V and 4-20mA

9010.200 Optional RS232C optoinsulated
 for remote connection to host computer

