

# 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 $\Omega$   
 INPUT LOAD (open collector): 2K $\Omega$

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

1632	9210.001	Multifunction panel tachometer	220V ac
	9210.002	Multifunction panel tachometer	110V ac
	9210.003	Multifunction panel tachometer	12V dc
3657	9210.004	Multifunction panel tachometer	24V dc
	9210.005	Multifunction panel tachometer	24V ac
	9210.006	Multifunction panel tachometer	12V ac
4706	9010.100	Optional ANALOG OUTPUT 0-10V and 4-20mA	
	9010.200	Optional RS232C optoinsulated for remote connection to host computer	

