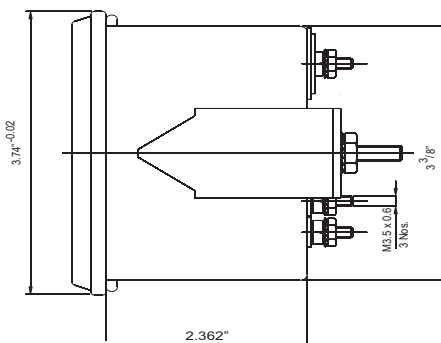
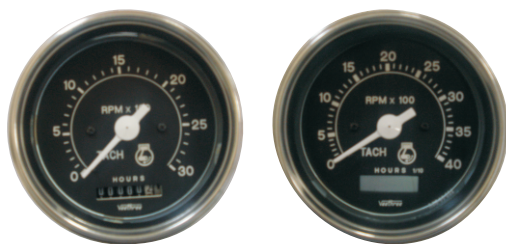


3 3/8" Programmable Electronic Tachometer Driven by Alt/Ign coil



Description : The tachometer is an instruments that measures engine speed by displaying the number of revolutions per minute (RPM) of the engine crank shaft.

Principal : Tachometer takes input from alternator or Ignition coil and through proper filter, it converts into square signal which is fed to frequency to voltage converter IC. This IC generates waves which are 90° apart that drives the air core as per the rpm of the engine.

Applications : For trucks, tractors and for stationery engines.

Technical data :

(1) Operating Voltage: 11-28 V.

(2) Hourmeter Type:

(a) LCD Hour meter

No. Of Digits: 5+1 Digit

Accuracy = ±0.1% of Elapsed Time.

(b) Analog Hourmeter

No. Of Digits: 5+1 Digit & 1 Dummy Wheel.

Accuracy = ±2% of Elapsed Time.

Formula :

(a) For Ignition coil Driven Tachometer

$$\text{Full scale (Hz)} = \frac{(\text{No. Of Cylinders} / 2) \times \text{Full scale RPM}}{60 \text{ seconds per minute}}$$

(b) For Alternator Driven Tachometer

$$\text{Full scale (Hz)} = \frac{(\text{Alt. Pulses/ revolution}) / \text{Pulley Ratio} \times \text{Full scale RPM}}{60 \text{ seconds per minute}}$$

$$\text{Alt. Pulses/ revolution} = \text{No of Poles in Alternator} / 2$$

$$\text{Pulley Ratio} = \frac{\text{Crankshaft Pulley Diameter}}{\text{Alternator Pulley Diameter}}$$

August 2009

AT A GLANCE

FEATURES

- . High Accuracy
- . Linear Scale
- . Comply with SAEJ - 1399
- . Heavy Duty Construction using Superior Materials
- . Programmable
- . Wide Pulse Range
- . Hourmeter Display
 - LCD Hourmeter
 - Analog Hourmeter
- . Instrument Available for Gasoline Driven & Petrol Driven
- . Flat Polycarbonate lens with Black / Stainless-Steel Bezel
- . Easy Clamp mounting
- . Stud Type Fitment
 - 10/32 UNF & M5x0.8
- . Vibration 5g peak for 8 Hours in each axis;
 - 10-2000-10Hz;
 - Display= 1.5mm;
 - Acc.=69.3m/sec 2

Sr.	Part No. Bezel Stainless steel / Black		Dial Range	Pulse Range	HOURLMETER TYPE	Stud Type
1.	80951	80950	0 - 4000	1 - 255 Pulses	LCD	10/32 UNF
2.	80952	80953	0 - 3000	1 - 255 Pulses	LCD	10/32 UNF
3.	37171	37170	0 - 4000	1 - 255 Pulses	-	10/32 UNF
4.	37173	37172	0 - 3000	1 - 255 Pulses	-	10/32 UNF
5.	80947	80946	0 - 4000	1 - 255 Pulses	ANALOG	10/32 UNF
6.	80949	80948	0 - 3000	1 - 255 Pulses	ANALOG	10/32 UNF
7.	37137	37132	0 - 4000	1 -3 Pulses & 8 -16 Pulses	LCD	M5 x 0.8
8.	37136	37132	0 - 3000	1 -3 Pulses & 8 -16 Pulses	LCD	M5 x 0.8
9.	37128	37149	0 - 4000	1 -3 Pulses & 8 -16 Pulses	-	M5 x 0.8
10.	37135	37127	0 - 3000	1 -3 Pulses & 8 -16 Pulses	-	M5 x 0.8
11.	80908	80917	0 - 4000	1 -3 Pulses & 8 -16 Pulses	ANALOG	M5 x 0.8
12.	80913	80920	0 - 3000	1 -3 Pulses & 8 -16 Pulses	ANALOG	M5 x 0.8

