

Fig. 5 dimensions.

## Technical Dates:

Cabinet after DIN 43700

Cabinets materials: ..... Noryl

Dimensions (H B D): ..... 48 x 96 x 147mm

Weight: ..... About 400 g

Temperature range: ..... -10°C to +50°C

Power consumption: ..... about 3 VA

Connection: ..... 12 terminal multiwire plug  
..... with screwterminals.

Display: ..... 14 mm read L.E.D.

Time base, range: ..... 0,01 - 99,99 sec.  
resolution: .. 0,01 sec.  
accuracy: ... +/-0,01% of display +/-1

Input sensitivity: ..... 6Vp-p by 200KHz  
..... 5Vp-p by 40KHz  
..... 3Vp-p by 10KHz

Input signal: ..... Max. 60Vp-p

Supply for signal transmitter: 12 Vdc max 80 mA

**as Jensen Electric**

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S24D05



## MANUAL FOR DET 4004

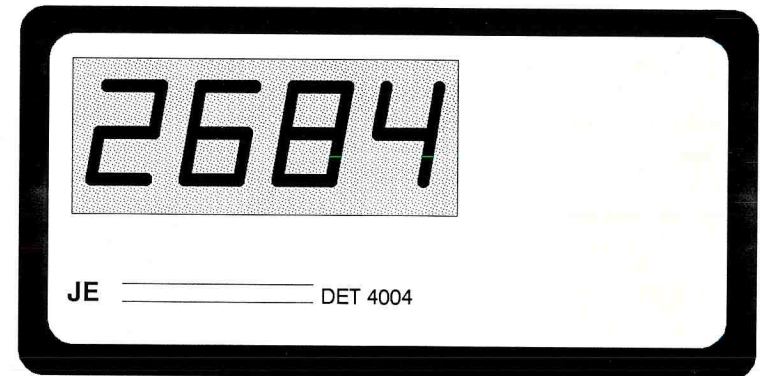


Fig. 1 Front.

## Introduction:

DET 4004-V is a 4 digit tachometer with LED display. On the rear the tachometer is supplied with digital adjustment of the crystal controlled timebase.

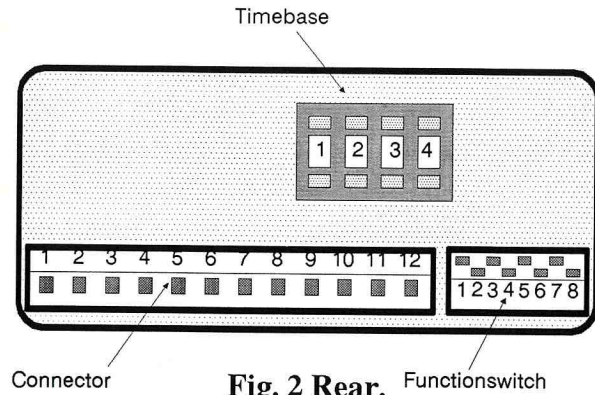


Fig. 2 Rear.

**Connection:**

On the rear (Fig.2) is a removeable 12 wire terminal connector. It is numbered 1-12. Number 1 and 2 (Fig.3) is for the supply voltage. The counter signal is connected between number 12 and 11. The maximum signal is 60V peak to peak and minimum 3V peak to peak. Pin 6 has +12V (max. 80 mA) as powersupply for inductive sensor, shaftencoder or like.

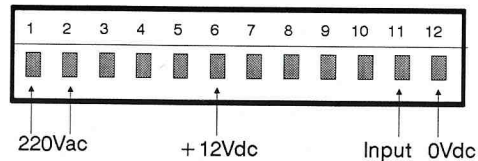


Fig.3 CONNECTIOS

**Adjustment**

**Function switch:**

The decimal point is set on the following way:  
Switch 1, 2, 3, and 4 must always be in off-position.

Switchnumber :	5	6	7	8
Zero - suppression on	Off	---	---	---
Zero - suppression off	On	---	---	---
Decimal-point XXX.X	---	On	Off	Off
Decimal-point XX.XX	---	Off	On	Off
Decimal-point X.XXX	---	Off	Off	On

\*) Leading Zero Blanking

**Time base**

On the rear (Fig.2) time base is selected with the digital switch in the range of 0.01-99,99 sec. in steps of 0,01 sec.

**Example:**

The set signal is 41 pulses per revolution and the speed is 103,6 per minute. Display output must be 2231.

Time base t:

$$t = (\text{display output} \times 60) / (\text{r.p.m.} \times \text{pulses/rev.})$$

$$t = (2231 \times 60) / (103,6 \times 41)$$

$$t = 31,51 \text{ sek.}$$

**Mounting:**

The tachometer is mounted from ahead in a rectangular gap as is shown in Fig. 4. Mounting the tachometer it is important to be careful so that the tachometer is not exposed to heat from other installations, furnaces etc.. The tachometer is mounted with the supplied parts.

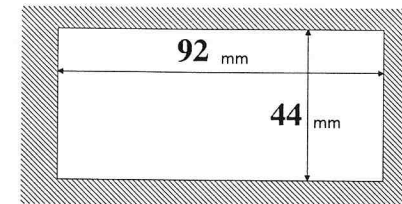


Fig. 4 Cutout dimensions.