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Tachometer Project ReportA tachometer

measures the rotation speed of motors

and other machinery. There are various

types of tachometers. Described here is

a digital non-contact type tachometer

using a proximity sensor. Circuit and

working. The circuit diagram of the

Arduino-based tachometer is shown in

Fig. 1.Build Non-Contact Type Digital

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Design Project Final ReportA tachometer

is a device that measures the rotation

speed of a shaft or disk, as in a motor of

other machine. In automotive use, it is used as a gauge showing the speed (RPM) of the engine shaft that is driving the transmission, usually in thousands of rotations per minute.

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DocumentationTachometer is a

measuring instrument used for

measuring the speed of a rotating body.

The unit of measured speed by

tachometer is expressed in revolution

per minute or RPM. Tachometers were

purely mechanical in past. In that time,

the speed measuring(PDF) Design and

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Contactless tachometer using pic microcontroller : Contactless digital tachometer project is designed to measure speed of dc motor using PIC18F46K22 microcontroller. As we already posted an articles on how to control speed of dc motor using pic microcontroller. But to measure speed of dc motor, we have to measure motors revolutions per minutes.

#### Contactless Digital Tachometer using 8051 Microcontroller

Tachometer is a measuring instrument used for measuring the speed of a rotating body. The unit of measured speed by tachometer is expressed in revolution per minute or RPM.

Tachometers were purely mechanical in past. In that time, the speed measuring *Build Non-Contact Type Digital Tachometer | Full ...*

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*Digital Tachometer (RPM) using IR Sensor with Arduino*

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**Contactless Tachometer : 5 Steps**

**(with Pictures ...**

A digital tachometer is a digital device that measures and indicates the speed of a rotating object. A rotating object may be a bike tire, a car tire or a ceiling fan, or any other motor, and so on. A digital tachometer circuit comprises LCD or LED readout and a memory for storage. Digital tachometers are more common these days and they provide numerical readings instead of dials and needles.

A digital tachometer based on an infrared light reflection technique has been demonstrated successfully. Its major advantage is that it doesn't require any physical contact with the rotating shaft to measure its speed. This project can be extended further by adding data logging feature to it.

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INTRODUCTION Digital tachometer is an optical encoder that determines the angular velocity of a rotating shaft or

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