Ultrasonic Radar

Please provide more details on the ultrasonic sensor used in 'Ultrasonic Radar Model Using Microcontroller ATmega128' DIY article published in February issue.

You have mentioned that the UDM sensor module has four pins but this module has only three pins for connection to the external circuit. Is there a readymade sensor available in the market?

Manu Shankar
Through email

The author Ashutosh M. Bhatt replies: A normal ultrasonic sensor has four pins, namely, Vcc, Gnd, Trig and Echo. In the given sensor, it is required to scan for received echo signal first; the distance is then calculated through the program.

There are three different types of ultrasonic sensors based on their output: normal, PWM and direct serial data. In this project, I have used the third one. It has three pins, namely, Vcc, Gnd and Serial data out, for interfacing. It is a smart 3-pin ultrasonic sensor.

EFY: A readymade 3-pin sensor is available; check at *www.sunrom. com/c/distance-ultrasonic*