Industrial Laser Module – RS232 Protocol Guide

When power is applied to the laser it will go through a startup routine and then start to take range measurements and output range data at a rate of 9Hz. A range measurement consists of a number of laser pulses, the received signal from the pulses is processed and the corresponding range data is sent out in serial RS232 format.

The range data is sent in a serial ASCII format data string consisting of 10 characters including carriage return.

A sample data string would be 00026.56m<cr>

If the laser module is unable to calculate a distance value, it will report a value of 99999.99m<cr>

Serial Port Settings	
Baud Rate	**9600**
Data Bits	**8**
Parity	**None**
Stop Bits	**1**
Flow Control	**None**

The range reference point is the rear most mounting hole, which is 40mm back from the lens face (see mounting diagram).