



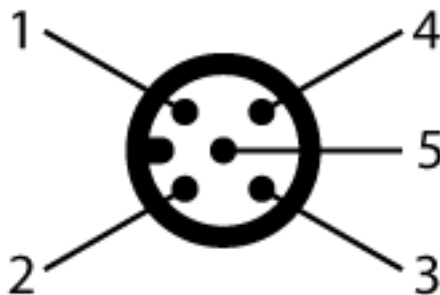
The LT110 is a laser timer of flight distance measurement sensor ideally suited for ride height measurement applications. Standard measurement ranges of 0-40" and 0-80" mean that even large wheel stands, or jumps can be accurately measured. High ambient light immunity means that even measuring in direct sunlight is not an issue. Using a standard M12 connector the LT110 can be powered with 5-36V and provides a 0-5V output to interface with the vehicle ECU or data logger. Standard output ranges of 0-40" and 0-80" are available.

Item	Value	Units
Supply Voltage	5-36	Volts
Supply Current	<200	mA
Output Signal	0-5	Volts
Sensing Range	0-39.4	Inches
Suggested Sample Frequency	>100	Hz
Mounting Screws	#6-32	-

Notes:

- Output is linear 0-5V to 0-39.4inches (0-100cm). At 4.8V (37.8inches) unit will clip output.
- If unit is unable to detect a signal from out of range, or unable to detect surface, output will go to 5V
- If unit is unable to detect a highly reflective surface, it may be beneficial to angle the unit slightly relative to the surface, rather than perpendicular.
- Input signal currently not used
- Lens material is acrylic. Do not use acetone, brake cleaner, etc. to clean as this will damage the lens and affect sensor performance. Clean sensor lens with microfiber or other soft cloth to keep dirt and debris from affecting performance.
- Sensor has blind zone of approximately 4 Inches. This means that objects closer than this cannot be measured accurately.
- It is recommended to mount sensor with logo on the sensor mounted fore-aft. i.e. Logo on sensor body pointed forward or backward on the car.

Pinout as viewed from top of sensor:



Pin # - Function – Wire color

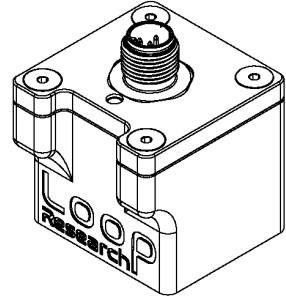
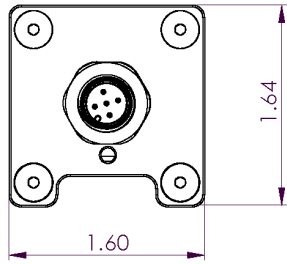
1 - Supply Voltage - **Brown**

2 - 0-5V Analog Out - **White**

3 - Ground - **Blue**

4 - Ground - **Black**

5 - 0-5V Analog Input - **Green/Yellow**



M12 5 PIN
CONNECTOR

