Measure the performance of a robot



Activity 16

Theory

Name:

Grade:

You have created a security barrier robot in this unit. Measure its performance using the table below. Tick the correct box based on a valid response.

Performance testing (robot function)	Result		Accuracy	
Does the motion sensor in a security barrier detect any movement or an obstacle (car, van, bus)?	☐ No	☐ Yes	☐ Accurate	☐ Not accurate
Does the servo motor make the barrier go up?	☐ No	☐ Yes	☐ Accurate	☐ Not accurate
Does the barrier stay in the 'up' position?	☐ No	☐ Yes	☐ Accurate	☐ Not accurate
Does the barrier follow 5 seconds timer when it is in the 'up' position?	☐ No	☐ Yes	☐ Accurate	☐ Not accurate
Does the servo motor make the barrier go down to its original position?	☐ No	☐ Yes	☐ Accurate	☐ Not accurate

LIVEWORKSHEETS