Checking a Sensor That Tops Out

Scoring guide · one credit per question · review written work against each rubric

Checking a Sensor That Tops Out

Question 1

Choice (3)

A shows 8 for true signals of both 8 and 12.

Question 2

Those two true inputs have the same displayed value of 8. Subtracting the same constant gives the same answer for both and cannot recover two different true values.

Question 3

B reads 0.5 above each reference. Subtract 0.5 from 11.5 to get 11.0 units.

Question 4

Measure known references between 8 and 10, such as 9 and 9.5, under the same conditions. A display of 8 for those values supports the limit within the tested range.