

Marking Scheme for AnalogTrix

Round 1: (out of 100)

- Simplicity of design.(out of 20)
 - This is dependent on the judge. A simple design doesn't mean less accurate results.
- Accuracy of the result.(out of 30)
 - Sets provided on website : out of 24 (8 marks for each set)
 - Secret combination(will be declared on the spot) : out of 6
- Power consumption. (out of 15)
- No. of IC used.(out of 15)
 - For each IC 0.5 marks will be reduced.
- Explanation of the output and the circuit given by the participating team. (out of 20)

Round 2: (out of 100)

- Simplicity of design and accuracy/beauty of output.(out of 30)
 - This is dependent on the judge. A simple design doesn't mean less accurate results.
- Power consumption.(out of 15)
 - Power consumption should be as low as possible.
- No. of IC used.(out of 15)
 - The design should make use of minimum no. of ICs. For each IC 0.5 marks will be reduced.
- No. of transformations used (out of 20)
 - The no. of "transformations circuits" should be more but transformation should be used only if necessary. Unnecessary transformations will lead to negative marking.
- Explanation of the output and circuit given by the participating team.(out of 20)
- Partial marks will be awarded for round 2. Details will be provided on the spot.

Final points will be based on cumulative points of both the rounds. Round 1 has 60% weightage while round 2 has 40% weightage.