

Output Swing

TI Precision Labs – Current Sense Amplifiers

Quiz

Output Swing – quiz

1. Output Swing defines how close the current sense amplifier output can be driven to either of power supply and ground under specified operating conditions.
 - a) True
 - b) False

2. In order to maximize signal dynamic range, I should design my circuit such that the full Output Swing range is utilized.
 - a) True
 - b) False

Output Swing – quiz

3. Which of the following statement is correct regarding Output Swing?
(select all that apply)
- a) Swing range is dependent on power supply.
 - b) Swing is not affected by the output current.
 - c) Swing is a function of temperature.
 - d) It is necessary to make sure output fits into the swing range under any use condition.
4. In selecting a device for a certain application, which of the following statement best describes the requirement imposed by Output Swing spec?
- a) The minimum output is higher than swing to GND
 - b) The maximum output is lower than swing to V_s
 - c) We don't need to consider the Swing spec because it doesn't equal to the linear output range anyway.
 - d) Both a and b

Answers

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