

Re: AD7714 help

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- *From:* "Arlet" <usenet+5@xxxxxxxxxxxxxxxxxxxx>
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Prakruthi wrote:

Arlet wrote:

Prakruthi wrote:

I have a major problem with the AD7714. I m using channel AIN1 and AIN2 with a gain of 1 for an input that varies between 0.1 to 0.5 V. I always get an output of 3255255 or 255255255 or 195255255. Can anybody help me out.

Did you verify the digital interface? Try writing something to a R/W register (e.g. Filter Low), and see if you can read it back.

Hi Arlet,

Thanks for the brilliant suggestion. I tried to read back something from the register and I dont get back what I ahve actually written. Do you know what the problem could be?

If you use a MCU with a SPI peripheral, it could be set to the wrong SPI mode. Hook up a digital scope or logic analyzer to the SCL,CS#, DIN,DOUT pins, and compare the diagrams with the datasheet, make sure the data gets transferred on the right clock edge. Then try write/read back again, and look at the interface to see if the correct value is passed, and then see if this same value makes it all the way to the application.