

Keithley 2001 repair - Bug #270

K2 : ERROR 304.7 - Ohms sources; 4.4nA and 770nA

07/18/2012 05:25 PM - tin

Status: Closed	Start date: 07/18/2012
Priority: Normal	Due date:
Assignee: tin	% Done: 0%
Category:	Estimated time: 0.00 hour
Target version: Keithley 2001 #2	
Description Cannot measure 2.2V ±0.6V at A/D IN. This test uses the same ohms source resistor (R354) as the previous test except that analog switch U323 (/200M pulled low) is closed to configure Op Amp U324 into a divider by 16 amplifier. This reduces the voltage drop across R354 from 7V to 0.44V (7/16 = 0.44). 4.4nA is sourced through R394 to common through Q328. Op Amp U322 is set up for x50 gain. Measure 2.2V at A/D IN.	
Suspect: U323, R350, R349 and R215.	

History

#1 - 07/19/2012 03:43 AM - tin

- Category set to 60

- Target version set to Keithley 2001 #2

#2 - 04/07/2015 02:23 AM - tin

- Status changed from New to Resolved

#3 - 04/07/2015 12:11 PM - tin

- Status changed from Resolved to Closed