

Keithley 2001 repair - Bug #269

K2 : ERROR 304.6 - Ohms sources; 70nA and 770nA

07/18/2012 05:24 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 0.7V ±0.07V at A/D IN. Switches in R354 for the 70nA ohms source by closing the analog switches at pins 1 and 12 of U332. Q324 (HI OHM pulled low) is on while Q312 and Q320 are off. This selects R354 as the only source resistor. No other resistor is in parallel with it. The load is again R394 and is connected to common through Q328. 7V will appear across R354. Op Amp U322 is set up for x1 gain. Measure 0.70V at A/D IN. Suspect: R354 and Q324.	

History

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

- Category set to 60

- Target version set to Keithley 2001 #2

#2 - 08/02/2012 05:02 PM - tin

- Status changed from New to Resolved

Seems ok after replacement Q330 and Q512 DJFET from #3

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

- Status changed from Resolved to Closed