

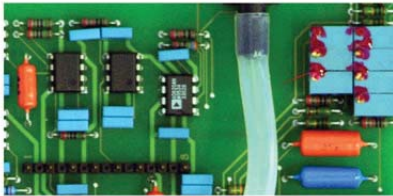
8.5 A/D Converter Checks

Test mode 4: A/D converter checks shows the results of checks on the analog-to-digital (A/D) converters (Figure 8-7).



Figure 8-7. Test mode 4: A/D Converter Checks Screen

Record results on the test report as required, then select **Close** when done.

Field	Definition	Do this:
ADC 11	A/D Channel 11 - voltage of the (nominal) 15 VDC power (half the actual value).	Verify that both <i>max</i> and <i>min</i> values are 7250 to 7750 .
ADC 12	A/D Channel 12 - voltage of the (nominal) -15 VDC power (half the actual value).	Verify that both <i>max</i> and <i>min</i> values are -7250 to -7750 .
ADC 14	A/D Channel 14 - voltage of the (nominal) -10 VDC sensor supply monitor from the Sensor board.	Measure the voltage on the Sensor board between -10 VDC (TP2) to GND (TP1); must be -9.93 to -10.07 V . Verify that both <i>max</i> and <i>min</i> values are -990 to -1010 .  1 2 6 8
ADC 15	A/D Channel 15 - voltage of the (nominal) 10 VDC servo supply monitor from the Servo board.	Verify that both <i>max</i> and <i>min</i> values are 990 to 1010 .
ADC 16	A/D Channel 16 - ground voltage.	Verify that the value reads -10 to 10 and <i>max</i> and <i>min</i> values are -60 to 60.