

MAYDEC-11-D6A*

NEW NUMBER = DZABD

AD01-D Diagnostic Test

ABSTRACT

This test is to be used as an A/D Diagnostic for the PDP-11 with the AD01-D Converter. It tests all logic functions of the converter with provisions for testing drift, calibration, differential linearity, and repeatability as well.

REQUIREMENTS

PDP-11.
AD01-D A/D Converter
Calibrated DC Voltage Source

STORAGE = 0 = 16520

LOADING = Absolute Loader

EXECUTION TIME = When trace trapping, one pass takes about 90 sec.
= When not trace trapping, one pass takes about 30 sec.
= Bell rings at end of each pass.

STARTING PROCEDURE

200 = Normal (Worst Case) Test
210 = Restart Address (Normal)
220 = Display Conversion Loop
230 = External Conversion Loop
240 = Fast Ext. Conversion Loop
250 = Conversion Print Loop
260 = Single Test Loop
270 = Multiplexer Channel & Repeatability Test
300 = Statistical Repeatability Test

PRINTOUTS = Yes

SWITCH REGISTER OPTIONS = Yes

SW15 = HALT ON ERROR
SW14 = SCOPE
SW13 = INHIBIT PRINTOUT
SW12 = INHIBIT TRACE TRAPPING
SW11 = INHIBIT SUB-PROGRAM ITERATION
SW10 = INHIBIT AVERAGING
SW09 = INHIBIT + OR #1 LSB TESTING
SW08 = TEST SIGN OPTION