

NEW NUMBER • DBVTA

## VT20 DIAGNOSTIC TEST

## ABSTRACT

This program tests, diagnosis and exercises the "VT20" system. The program is comprised of eighteen individual selectable tests to facilitate the checkout of the VT20 displays and keyboards. The program consists of two parts, Part I, the main diagnostic is to be loaded into the VT20, Part II is a DL11 data handling routine and is to be loaded into the VT20 host computer. The program is set up to operate "with" or "without" a teletype. If a teletype isn't available, program "halts" are used to report errors and collect needed information. The program responds functionally the same with or without the teletype. It is imperative that the display tests be run and proved fully operational before running the keyboard tests. This is necessary since the display is used in conjunction with the "KBD" (functional & ASCII keyboard) tests.

## REQUIREMENTS

VT20

Host computer with console device.

STORAGE = 8K

## LOADING

## EXECUTION TIME •

TEST	PASS TIME	NOTES
0	7.5 MINS	
1	4 MINS	
2	N/A	*
3	30 seos	
4	25 seos	
5	6 mins	
6	6 mins	
7	N/A	*
10	N/A	*
11	N/A	*
12	6 mins	
13	N/A	*
14	total of above + test 15	
15	75 seos	
16	N/A	
17	N/A	
20	N/A	
21	N/A	

STARTING PROCEDURE = There are 2 starting addresses

1. With teletype, Load and start program at address 200
2. Without teletype, Load and start program at address 204;

PRINTOUTS = Yes

SWITCH REGISTER OPTIONS = Yes

SW10=0...;REQUEST KEYBOARD INPUT  
SW10=1...;INHIBIT KEYBOARD INPUT REQUEST

SW11=0...;NORMAL RUN (100 PASSES/TEST)  
SW11=1...;SUPPRESS SUBTEST ITERATIONS

SW13=0...;PRINT ERROR MESSAGES  
SW13=1...;SUPPRESS ERROR MESSAGES

SW14=0...;NORMAL RUN  
SW14=1...;LOOP ON CURRENT SUBTEST

SW15=0...;CONTINUE ON ERROR  
SW15=1...;HALT ON ERROR