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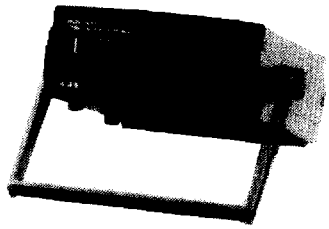
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DDC
ILC DATA DEVICE CORPORATION®

# BUS-68010

## MIL-STD-1553 DATA BUS TESTER



### DESCRIPTION

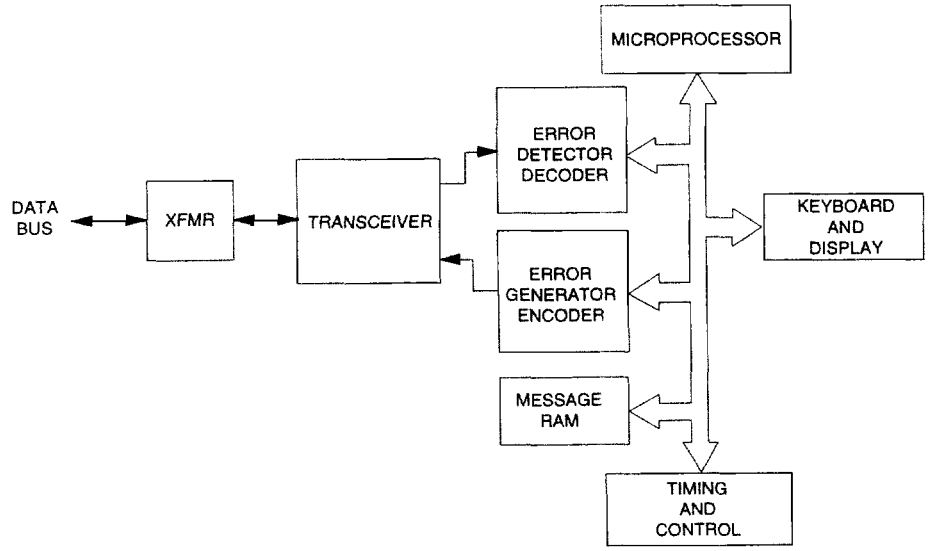
The BUS-68010 is a low cost, portable, bench top instrument for testing and troubleshooting MIL-STD-1553 systems. Its price/performance makes it a leader for Bus Controller, Remote Terminal or Bus Monitor simulation applications.

Its simple and flexible operation is controlled via a 24 pad keyboard, with the aid of a 16 character alphanumeric display. It features error generation and error detection, single or repeat messages, and variable intermessage gap time. BC to RT, RT to BC and RT to RT message formats are simulated by the BUS-68010.

The Data Bus Tester is packaged in a small 3.5" x 8.5" x 9.3" enclosure. Small physical size combined with versatility make it an ideal choice for laboratory and field testing applications.

### *FEATURES*

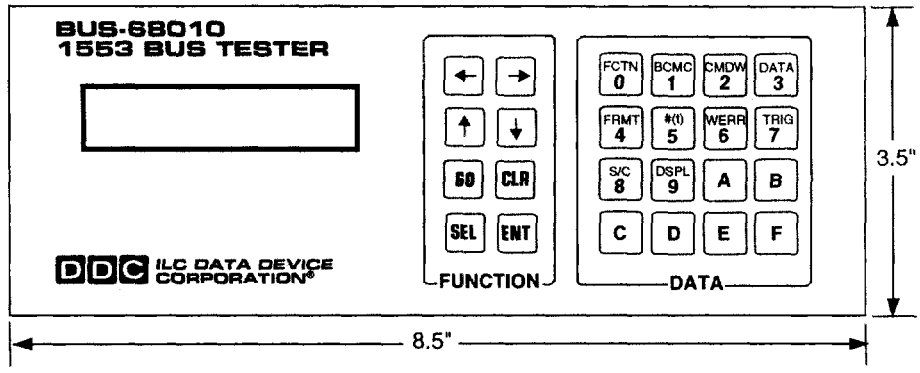
- ***Low Cost***
- ***Small Size: 3.5" x 8.5" x 9.3"***
- ***Flexible Operation:***
  ***Bus Controller***
  ***Remote Terminal***
  ***Bus Monitor***
- ***Programmable:***
  ***24 Pad Keyboard***
- ***Error Generation***
- ***Error Detection***
- ***16 Character Alphanumeric Display***




**BUS-68010 BLOCK DIAGRAM**

| KEYBOARD AND DISPLAY FUNCTIONS | | |
|---|---|---|
| **KEY SEQUENCE** | **FUNCTION** | **DISPLAY** |
| **SEL FCTN**<br>⇧ or ⇩<br>**ENT** | Selects Bus Controller. Remote Terminal or Monitor mode.<br>The arrows are used to scroll to the next choice. | The current mode is displayed. |
| **SEL FRMT**<br>⇧ or ⇩<br>**ENT** | For Bus Controller mode only. Selects Normal, RT (EXT) to RT (EXT), or RT (INT) to RT (EXT) message format. | The current message format is displayed. |
| **SEL S/C**<br>⇧ or ⇩<br>**ENT** | Selects single, double or continuous message.<br>The arrows are used to scroll to the next choice. | The current message repetition is displayed. |
| **SEL TRIG**<br>**DIGIT**<br>**DIGIT**<br>**ENT** | For Remote Terminal mode. The RT address is entered with 2 (HEX) digits.<br>For Monitor mode, the trigger address is entered. | The entered address is displayed. |
| **SEL DATA**<br>⇧ or ⇩<br>**DIGIT**<br>•<br>•<br>**DIGIT**<br>**ENT** | Data word and word errors are entered with 6 (HEX) digits.<br>Word errors include incorrect sync, parity error, long word and short word.<br>The arrows are used to scroll to the next word in memory.<br>Command words are entered with 4 (HEX) digits or, 9 (HEX) digits when in expanded field mode. | The entered data and word error are displayed. |
| **SEL WER**<br>⇧ or ⇩<br>**BIT** | Selects word count error:2 words short, or 1 word short, or correct, or 1 word long, or 2 words long.<br>The arrows are used to scroll to the next choice. | The current word count error is displayed. |
| **SEL BCMC**<br>⇧ or ⇩<br>**ENT** | Selects Broadcast mode options. Either one may be ON or OFF.<br>The arrows are used to scroll to the next choice. | The current broadcast mode and option is displayed. |
| **SEL #(t)**<br>⇧ or ⇩<br>**ENT** | Selects the intermessage gap time from 5 msec to 1000 msec.<br>The arrows are used to scroll to the next choice. | The current intermessage gap is displayed. |
| **GO** | Starts operation. For continuous message operation, press CLR key to STOP. | |
| **CLR** | Stops operation. Clears last entry. | |
| **SEL CMDW**<br>⇧ or ⇩<br>**ENT** | Selects Command Word display format of 4-digit (HEX) or expanded field (HEX).<br>The arrows are used to scroll to the next choice. | The current Command Word is displayed. |
| **SEL DSPL**<br>⇧ or ⇩<br>**ENT** | Selects LCD viewing angle.<br>The arrows are used to scroll to the next choice. | The optimum display viewing angle varies through four choices. |

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**BUS-68010 FRONT PANEL**

| FRONT PANEL CONTROLS & INDICATORS |
|---|
| 24 Pad Keyboard |
| 16 Character LCD Display |

| REAR PANEL SWITCHES & CONNECTORS |
|---|
| Power On/Off Switch |
| 1553 Direct Coupled Connector |
| 1553 Stub Coupled Connector |
| Sync Output |

**ORDERING INFORMATION**

BUS-68010

**Options:**

0 = 115 VAC Power

1 = 230 VAC Power

D-ABR

**Artisan Technology Group** is an independent supplier of quality pre-owned equipment

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