

EPROM Version 7.020 Specification

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| Current EPROM Version: | 7.020 | 256XL EPROM Part Number: | 5280901 |
| EPROM Release Date: | 4/5/2001 | 1024XL EPROM Part Number: | 5280902 |
| Previous EPROM Version: | 7.012 | 1536XL EPROM Part Number: | 5280903 |
| | | 2048XL EPROM Part Number: | 5280904 |

IrDA SETTINGS Menu Changes

Dynalab has modified the Analyzer menus that support the Dynalab IR Data Transfer Module (Part Number 212-5000). Correctly configuring the mode and serial port settings will allow an Analyzer to properly use this device.

In the IrDA SETTINGS menu:

- TIME has been renamed DISCOVER to more accurately reflect the nature of this setting
[SETUP MENUS ► PORTS ► SERIAL 1 (or 2) ► SETTINGS ► DISCOVER]
- All LOST (BEAM LOST TIMEOUT) settings should now work, thanks to a bug fix
[SETUP MENUS ► PORTS ► SERIAL 1 (or 2) ► SETTINGS ► LOST]
- FAILURE (TRANSFER FAILURE) has been added, allowing the new settings of RETRY TRANSFER or CONTINUE SEQUENCE to set Analyzer behavior in the event of IrDA transfer failure
[SETUP MENUS ► PORTS ► SERIAL 1 (or 2) ► SETTINGS ► FAILURE]

Holding Register Used to Indicate IrDA Transfer Success or Failure

When the CONTINUE SEQUENCE setting is enabled, the value of the Holding Register is now adjusted, following an IrDA transfer, with a value of 0 indicating transfer success and 1 indicating transfer failure. The PASS sequence item BHR (Branch on Holding Register) could be used immediately following an IrDA transfer for sequence flow control based upon the success or failure of the transfer.

Grouping of PMESSAGE and STRING Sequence Items

Dynalab has modified the method of IrDA transfer such that when PMESSAGE sequence items are placed consecutively in the PASS Sequence Table, they are grouped together for one, more efficient transfer. Dynalab recommends grouping PMESSAGE and corresponding STRING sequence items whenever possible when using IrDA.

NOTE: PMESSAGE sequence items (used in programs on Analyzers with transmitting IR Data Transfer Modules) must have corresponding STRING sequence items (used in programs on Analyzers with receiving IR Data Transfer Modules), or the transfer will fail.

Syntax for Using Variables with IrDA

Dynalab has modified the method of sending, receiving and displaying variables with IrDA.

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- Sending a variable with **PMESSAGE**: Place content of the format “**VAR: VariableName~Data**” (without quotes) in the Message referenced by the **PMESSAGE** parameter (i.e., “**VAR: variable1~9904679|u**” would send a variable named “variable1” containing the characters 9904679 and the sending Analyzer’s Unit ID)
- Receiving a variable with **STRING**: Simply place a **STRING** sequence item in the receiving program’s Sequence Table to correspond with the sending program’s **PMESSAGE**
- Displaying a variable on a receiving Analyzer with **MESSAGE**: Place a **MESSAGE** sequence item with content of the format “**\$VariableName**” (without outside quotes) somewhere after the appropriate **STRING** sequence item(s) (i.e., “**\$variable1**” would display the contents of a variable received by the name of “variable1”)
- Displaying a variable on a label printed from a receiving Analyzer: Place content of the format “**\$VVariableName**” (without quotes) in the label using CALTools, and place the appropriate **PLABEL** sequence item in the receiving program’s Sequence Table (i.e., “**\$Vvariable1**” would print the contents of a variable received by the name of “variable1”)