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Archived: What Are the DIP Switch Settings for the GPIB-400?

This document has been archived and is no longer updated by National Instruments

Hardware:

Problem:
What are the DIP switch settings for the GPIB-400?

Solution:
The GPIB-400 is a GPIB bus tester that has toggle switches on the front for controlling different GPIB lines. It can perform some functions of an analyzer, such as providing acceptor handshakes and giving line status when requested. The box also has a serial (RS-232) port on the back for dumping data from the bus. Some of the functionality of the GPIB-400 is controlled by two DIP switches inside the box. The functionality of those switches is documented here.

A 0 setting means the DIP switch is in the ON position. A 1 setting means the DIP switch is in the OFF position.

U18 selects the baud rate as follows:

S0	S1	S2	S3	S4	Baud Rate
0	0	0	0	1	19200
0	0	1	0	0	50
0	0	1	1	0	75
0	1	0	0	0	134.5
0	1	0	1	0	200
0	1	1	0	0	600
0	1	1	1	0	2400
1	0	0	0	0	9600
1	0	0	0	0	4800
1	0	0	1	0	1800
1	0	1	0	0	1200
1	0	1	1	0	2400
1	1	0	0	0	300
1	1	1	0	0	150
1	1	1	1	0	110

U20 selects the RS232 configuration as follows:

Switch	Description		
EPS	Even Parity Enable: 1 for even parity, 0 for odd parity		
NB1, NB2	**Word Length Select**		
	NB2	NB1	Word Length
	0	0	5 bits
	0	1	6 bits
	1	0	7 bits
	1	1	8 bits
TSB	Stop Bit Select: 0 for one STOP bit, 1 for two STOP bits		
NP	Parity Inhibit: 1 for no parity generation		
20MA	RS232/20 MA terminal operation: 0 for RS232, 1 for a 20 mA current loop		

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