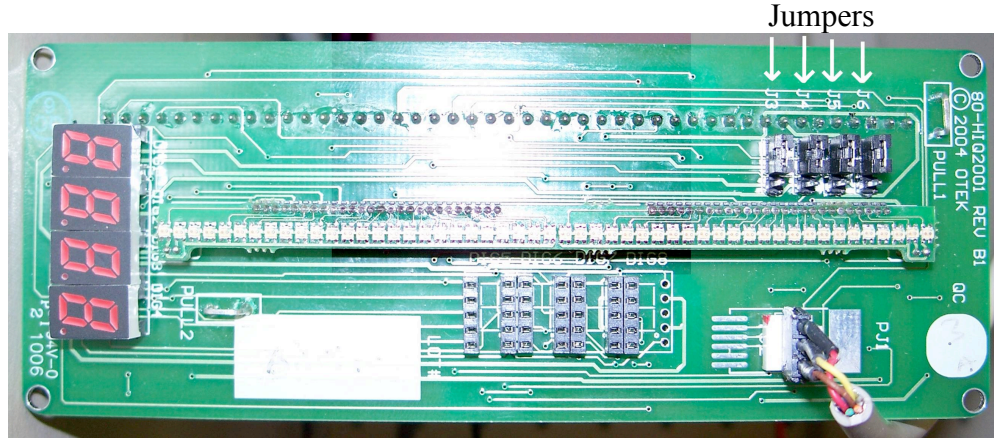


## Configuring a HIQ-2000, HIQ-2K

### A) Hardware Jumper Settings

1. Remove the scale plate from the front of the unit. This is accomplished by removing the 4 corner screws and gently prying the scale plate free.
2. Jumpers J3-J6 on the HIQ-2000 and HIQ-2K control whether the bargraph is assigned to stream1 or stream2. By default these will probably be in the position where the bargraph is tied to stream1 (position nearest the bargraph). Switch the jumpers so that they are on the outside position (the position furthest from the bargraph) if they aren't already.



### B) GUI Settings

Navigator (C) 2003, 2004, 2005 All rights reserved

File Comms Help

Model: HI-Q119-100-210-301  
File: HI-Q119-100-210-301 negative bargraph

New Model Open Save Save As... Upload Terminal

General ( Step 1 )

Address	Baud Rate
Current 01	Current 9600
Desired 01	Desired 9600

Echo  Watch Dog Timer  Port COM1

Turn On Delay 0 Seconds (0-255)

Streams ( Step 2 )

Serial	Left Bargraph	Right Bargraph
Channel 1	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Channel 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Channel 3	<input type="checkbox"/>	<input type="checkbox"/>
Channel 4	<input type="checkbox"/>	<input type="checkbox"/>

Bargraph Display ( Step 3 )

General	Mode	Color	Full Scale	Zero Value
Left	Up	Green	8	0
Right	Up	Green	8	0

Limit Flash  Limit Marks  
 Change bargraph to limit color

Calibration ( Step 5 )

	Scale	Offset	Average	A/D Band
Channel 1	1	0	40	0.005
Channel 2	17.5439	-1	40	0.005
Channel 3	1.0	0.0	40	0.005
Channel 4	1.0	0.0	40	

Decimal Point ( Step 4 )

Top Numeric X.xxx Bottom Numeric XXXX

Relay Outputs ( Step 8 )

Relay	Normal State	Ch1 Trigger	Ch2 Trigger	Ch3 Trigger	Ch4 Trigger
Relay 1	Lo	LoLo	None	None	None
Relay 2	Lo	Lo	None	None	None
Relay 3	Lo	High	None	None	None
Relay 4	Lo	HighHigh	None	None	None
Relay 5	Lo	None	None	None	None
Relay 6	Lo	None	None	None	None

Alarm Settings ( Step 6 )

	Channel 1	Channel 2	Channel 3	Channel 4
Lo Lo	-3	10.0	10.0	10.0
Lo	-2	20.0	20.0	20.0
High	1	80.0	80.0	80.0
High High	2	90.0	90.0	90.0
Hysteresis	0.0	0.0	0.0	0.0

Graph Limit Colors

	Channel 1	Channel 2	Channel 3	Channel 4
Lo Lo	Red	Red		
Lo	Amber	Amber		
High	Amber	Amber		
High High	Red	Red		

Analog Outputs ( Step 9 )

	Scale	Offset	Hi Clamp	Lo Clamp
Dac 1				
Dac 2				

Step1:

Make sure the Watchdog Timer is unchecked. Upload and then cycle power to unit to ensure the Watchdog is disabled.

Step2:

Check Right Bargraph next to Channel 1 (this = digits)  
Check Left Bargraph next to Channel 2 (this = bargraph)

Step3:

Left = UP 0 to 8  
Right = UP 0 to 8

Step4:

Set up Top Numeric for decimal point location

Step5:

Channel 1: Scale = 1 Offset = 0  
Channel 2: Calibrate w/ real values (-1 to 7)

Step6:

Set up Channel 1 limits and color. Remember to offset limits.

Now click on terminal and Issue the following three commands:

- 1) eqn1 s1=s2+1
- 2) write
- 3) wdon

The unit should now be configured for -1 to 7.