GPIB-to-USB v1.5 interface commands

Command Sequence, all terminated by <LF> (= Ctrl-J)	Purpose
C	Reset
I	Display firmware version info
Gn	Send command byte <n> (0..255), example: G65 sends 'A'
Ra,s Ea,s	Send string <s> to address <a> and read answer, example: R3,E sends echo command to 7150+ at address 3 and reads response until linefeed <LF> found E does the same but response is terminated EOI signal instead of linefeed thus allowing binary transfer
Wa,s	Write string <s> to address <a>
Ba,n	Send byte <n> (0..255) to address <a>
S	Check GPIB SRQ signal
Tn	Set GPIB timeout in microseconds (1 s = 1000000 microseconds)
Ha,	Read from address <a> until linefeed <LF> is found (new in v1.5)

https://github.com/TheHWcave/GPIB-to-USB

Some of the 7150+ GPIB commands

A	Device Clear	Set all parameters to power-on defaults
C0 C1	Normal operating mode Enter calibration mode	
E	Echo back	Send all present settings in alphabetical order, eg C0 D0 I3 J1...
Hn	n = value. Only in calibration mode, set high point	n=applied input x $10^{(7-R)}$ R= range 1..6 eg: R: factor 1: 1,000,000 2: 100,000 3: 10,000 4: 1,000 5: 100 6: 10 2V in 2V range (R=2), n =2*100,000 = 200000 0.3V in 200V range (R=4), n=0.3*1000= 000300
In	n=0..6 set integration time	0= 6.66ms (3x9's) 1= 40.0 ms (4x9's, 50Hz mains) 2= 50.0 ms (4x9's, 60Hz mains) 3= 400 ms (5x9's) 4= 10x400 ms (6x9's) not for Vac, or Iac 5 = reserved 6=100 ms (4x9's)
Ln	n = value. Only in calibration mode, set low point	(format is the same as H command)
Mn	n=0..5 Mode	0=Vdc, 1=Vac, 2=KOhm, 3=Idc, 4=Iac, 5=temp
Rn	N=0..6 Range	R: Vdc & Vac: Kohm: Idc & Iac 0: Auto: Auto: Auto 1: 0.2 (Vdc): Not used: Not used 2: 2V: Not used: Not used 3: 20V: 20K: Not used 4: 200V: 200K: Not used 5: 2000V: 2M: 2A 6: Not used: 20M: Not used
W	Write calibration	