

IMPORTANT NOTE

The entire string that is sent from the start character (*) to the end character (<cr>) must be received within 500 milliseconds or less, otherwise the entire transmission will be voided.

If sending commands manually using a window on a PC (e.g., Hyperterminal), store the desired commands into a text file (multiple commands are allowed) and use Hyperterminal to transfer this text file to the instrument.

General format to set a value

[start character][two byte address][two byte command mnemonic]:[value][.][chksum][cr]

Example to set the pump size to 20 liters per second

In RS-232/422 mode, checksum disabled:

Send: *PS:20<cr>
Response: OK:20,cc<cr>

In the RS-485 mode, checksum enabled:

Send: *05PS:20,00<cr>
Response: 05,OK:20,cc<cr>

Command	Description	Parameter
UN	Set Pressure Units	Torr, mBar, Pascal
PS	Set Pump Size	NNN.N (liters per second)
HV	Turn HV On or OFF	On, Off
SP	Set Set Point	N.N e-X (0.0 is off)
MV	Set Max Volts	NN00 (will be rounded to the nearest 500 volts)
MC	Set Max Current	NN (1-25 mA)

Figure 12: Serial Interface Parameter Control Command Format

Serial Cable - PC to 751



Figure 13: Serial Cable - PC to 751