Command list

Command	Value range	Description	Example
S:xxxx	0 – VCC*	Set DAC output voltage to xxxx mV. For 1Ω sens resistor current draw will be equal to DAC output voltage.	S:0500 → Sets target current draw to 0.5A [for 1Ω sens resistor]
C:M00x	0 or 1	Continous reading off/on. In continuous mode device sends Current and Voltage readings every delay* period of time.	C:M001 → ON C:M000 → OFF
C:Dxxx	1 to 255	Continuous mode delay period. Device will wait for xxx * 100ms before sending new values.	C:D005 → Device will send readings every 5 * 100ms = 500ms
C:Onnn	/	Issue on demand read. Device will read Power Supply under test voltage, current draw and DAC output voltage and send them over UART.	C:0xxx → Read current values and send over UART once.

Example output

Command	What happens	Example output on UART
S:0500	DAC output voltage will be set to 500mV or 0.5V If 1Ω sens resistor is used, device will try to draw 500mA or 0.5A from the Power Supply Under Test.	PSV:12.00V\r\n PSI:0.50A\r\n
C:M001	Continuous mode is turned on. Device will send readings every *delay* seconds.	PSV:12.00V\r\n PSI:0.50A\r\n
C:Onnn	Issue a on-demand read request. Device will read values and send them over UART but only once.	PSV:12.00V\r\n PSI:0.50A\r\n OPA:0.50V\r\n