

PeakTech 619X – 2 CH Laboratory Power Supply

Data Communication protocol

Voltage and current status inquiry

Query frame: F7 02 03 04 09 E2 AB FD

Start code	address code	function code	starting address	Address length	Check code	End code
D0	D1	D2	D3	D4	D5D6	D7
F7	02	03	04	09	Check code	FD

Query response frame: F7 02 03 04 09 41 01 00 00 00 00 00 00 00 00 00 C8 13 88 00 64 13 88 6B 1F FD

Start code	Address code	function code	starting address	Address length	Data	Check code	End code
D0	D1	D2	D3	D4	D5-D22	D23D24	D25
F7	01	03	04	09	Data	Check code	FD

D5: CH2 status : BIT0 CV 、 BIT1 CC 、 BIT2 SER、 BIT3 PAR 、 BIT5 OUTPUT、

D6: CH1 status: BIT0 CV 、 BIT1 CC 、

D7 D8 CH2 Voltage Display data **D9 D10 CH2 Current Display data**

D11 D12 CH1 Voltage Display data9X9X **D13 D14 CH1 Current Display data**

D15 D16 CH2 Voltage Setting data **D17 D18 CH2 Current Setting data**

D19 D20 CH1 Voltage Setting data **D21 D22 CH1 Current Setting data**

Setting voltage

Set frame: **CH2:** F7 02 0A 09 01 05 14 56 8A FD, **CH1:** F7 02 0A 0B 01 05 14 54 97 FD

Start code	Address code	function code	starting address	Address length	Data	Check code	End code
D0	D1	D2	D3	D4	D5D6	D7D8	D9
F7	01	0A	09	01	Data	Check code	FD

D5 D6 Voltage data

Setting current

Set frame: **CH2:** F7 02 0A 0A 01 03 E8 56 8A FD **CH1:** F7 02 0A 0C 01 04 B0 55 C8 FD

Start code	Address code	function code	starting address	Address length	Data	Check code	End code
D0	D1	D2	D3	D4	D5D6	D7D8	D9
F7	01	0A	0A	01	Data	Check code	FD

D5 D6 Current Data

Set the response frame (same as setting frame) **F7 02 0A 0A 01 03 E8 56 8A FD**

Start code	Address code	function code	starting address	Address length	Data	Check code	End code
D0	D1	D2	D3	D4	D5 D6	D7D8	D9
F7	02	0A	0A	01	Data	Check code	FD

Output switch setting

Set Frame **F7 02 0A 1E 01 00 01 92 04 FD**

Start code	Address code	function code	starting address	Address length	Data	Check code	End code
D0	D1	D2	D3	D4	D5D6	D7D8	D9
F7	02	0A	1E	01	Data	Check code	FD

D5D6 00 01 ON 00 00 OFF

Set the response frame (same as setting frame)

Series or parallel setting

Start code	Address code	function code	starting address	Address length	Data	Check code	End code
D0	D1	D2	D3	D4	D5D6	D7D8	D9
F7	01	0A	1F	01	Data	Check code	FD

Series ON: **F7 02 0A 1F 01 00 01 93 F8 FD**

Parallel ON: **F7 02 0A 1F 01 00 02 D3 F9 FD**

Series and parallel OFF: **F7 02 0A 1F 01 00 00 52 38 FD**

Set the response frame (same as setting frame)

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