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| --- | --- | --- |
| Request | Example output | Remarks |
| \*IDN? | KORADKA3005PV2.0 | Request identification from device. See also the [full list of recognized IDs in libsigrok](https://sigrok.org/gitweb/?p=libsigrok.git;a=blob;f=src/hardware/korad-kaxxxxp/api.c) in the models[] array. |
| STATUS? | (byte) | Request the actual status. The output is a single byte with the actual status encoded in bits. At least the Velleman PS3005D V2.0 is a bit buggy here. The only reliable bits are: 0x40 (Output mode: 1:on, 0:off), 0x20 (OVP and/or OCP mode: 1:on, 0:off) and 0x01 (CV/CC mode: 1:CV, 0:CC). |
| VSET1? | 12.34 | Request the voltage as set by the user. |
| VSET1:12.34 | (none) | Set the maximum output voltage. |
| VOUT1? | 12.34 | Request the actual voltage output. |
| ISET1? | 0.125 | Request the current as set by the user. See notes below for a firmware bug related to this command. |
| ISET1:0.125 | (none) | Set the maximum output current. |
| IOUT1? | 0.125 | Request the actual output current. |
| OUT1 | (none) | Enable the power output. |
| OUT0 | (none) | Disable the power output. |
| OVP1 | (none) | Enable the "Over Voltage Protection", the PS will switch off the output when the voltage rises above the actual level. |
| OVP0 | (none) | Disable the "Over Voltage Protection". |
| OCP1 | (none) | Enable the "Over Current Protection", the PS will switch off the output when the current rises above the actual level. |
| OCP0 | (none) | Disable the "Over Current Protection". |
| TRACK0 | (none) | Set multichannel mode, 0 independent, 1 series, 2 parallel (from Velleman protocol v1.3 documentation). |
| RCL1 | (none) | Recalls voltage and current limits from memory, 1 to 5 (from Velleman protocol v2.0 documentation). |
| SAV1 | (none) | Saves voltage and current limits to memory, 1 to 5 (from Velleman protocol v2.0 documentation). |

**[https://sigrok.org/wiki/Korad\_KAxxxxP\_series#Protocol](https://sigrok.org/wiki/Korad_KAxxxxP_series" \l "Protocol)**