

# DVCUP CHEAT SHEET V1.3

## SENSOR AND VALVE CONTROLS:

### Sensors:

A? ..... Get all the sensor device info  
A1? ..... Get sensor 1 device  
A2? ..... Get sensor 2 device  
A3? ..... Get sensor 3 device  
A4? ..... Get sensor 4 device

Vac? ..... Get vacuum reading of blended gauge. See note below.\*

\*This is only applicable if using a blended gauge

Vac1? ..... Get vacuum reading of sensor 1  
Vac2? ..... Get vacuum reading of sensor 2  
Vac3? ..... Get vacuum reading of sensor 3  
Vac4? ..... Get vacuum reading of sensor 4

### Bleed Valves:

SPB? ..... Get control setpoint for bleed valve  
SPAB? ..... Get control device for bleed valve  
SPB = 10 ..... Set the bleed control point to 10

SPF? ..... Get SCCM of flow  
SPF=100 ..... Set flow to 100 SCCM

### Throttle Valves:

SP1U? ..... Get the upper setpoint for Control 1  
SP1U=1 ..... Set the upper setpoint at 1  
SP1L? ..... Get the lower setpoint for Control 1  
SP1L=.2 ..... Set the lower setpoint at 0.2

SP2U? ..... Get the upper setpoint for Control 2  
SP2U=1 ..... Set the upper setpoint at 1  
SP2L? ..... Get the lower setpoint for Control 2  
SP2L=.2 ..... Set the lower setpoint at 0.2

SPAT1? ..... Get control device for Bellows style Control 1  
SPAT2? ..... Get control device for Bellows style Control 2

## UNITS, TIMING, MODE AND MORE VALVES:

### Dinamo Valves:

SPS? ..... Get setpoint for Dinamo Valve  
SPS=10 ..... Set setpoint for Dinamo Valve

Ramp? ..... Get Ramp rate for Dinamo Valve  
Ramp=10 ..... Set Ramp rate for Dinamo Valve to 10 Units/Minute

Status? ..... Get current valve mode for Dinamo valve.\*  
\* Response will be "Setpoint", "Vent", "Full Vac", or "Close"

SP! ..... Set Dinamo Valve to Setpoint mode  
Vent! ..... Set Dinamo Valve to Vent mode  
Full! ..... Set Dinamo Valve to Full Vac mode  
Close! ..... Set Dinamo Valve to Closed mode

### Units:

U? ..... Get the current units. See below for information on response.\*\*  
\*\*Response will be "U=0", "U=1" or "U=2". 0 = Torr, 1 = mBar, 2 = kPa

U = 0 ..... Set the units as Torr  
U = 1 ..... Set the units as mBar  
U = 2 ..... Set the units as kPa

### Timing:

T? ..... Get the current data rate for DVCUP  
T = 0.25 ..... Data will be sent 4 times per second  
T = 1 ..... Data will be sent 1 time per second

### Mode:

M? ..... Get the current mode for DVCUP\*  
\*The mode can either be Automatic, in which data is sent at the specified T rate, or Manual, in which data is only sent when queried.

M = A ..... Data will be sent automatically at the specified T  
M = M ..... Data will only be sent when queried  
V? ..... The device will respond with the code version and DVCUP version