

DVCUP CHEAT SHEET

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:

P? Get the P term
P=2.35 Set the P term
I? Get the I term
I=16.78 Set the I term
D? Get the D term
D=8.07 Set the D term

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

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

UNITS, TIMING, MODE AND MORE VALVES:

More Valve Controls:

SPAT1? Get control device for Control 1
SPAT2? Get control device for Control 2

SPA1? Get control device for Control 1
SPA2? Get control device for Control 2
SPA3? Get control device for Control 3
SPA4? Get control device for Control 4

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

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

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