

Command:HERE (H)

Here command has a slightly different usage on a TGPMT card , then on all our systems.

Actuators , Piezos, MicroMirror etc

MS2000 or RM2000 syntax

Shortcut	H
Format	HERE [axis]=[position in 1/10 microns]...
Units	1/10 microns
Remembered	Automatically

Tiger syntax

Shortcut	H
Format	HERE [axis]=[position in 1/10 microns]...
Units	1/10 microns
Type	Axis-Specific
Remembered	Automatically

Assign the specified number to the axis's current position buffer. If no position is specified, 0 is assumed. The unit of measurement is in tenths of microns. This defines the current position to be a specific distance from the origin (0), i.e., the origin may change.

If there are no errors, the positive reply :A will be sent back from the controller

DOES NOT WORK FOR PIEZOS AND MICROMIRRORS.

<del> DOES NOT WORK FOR "CLOCKED DEVICES" SUCH
AS FILTER SLIDERS AND TURRETS.</del>

Example

```
H X=1234 Y=4321 Z
:A
```

The X position will change to 123.4 microns from the origin, Y will change to 432.1 microns, and the Z will be zeroed.

TGPMT usage

Shortcut	H
Format	HERE [axis] or HERE [axis]=0
Type	Axis-Specific
Remembered	Automatically

On a TGPMT card , this command is used to Zero the PMT signal reported by the [RDADC command](#). When this command is issued , the current PMT signal is saved , and the controller begins subtracting it from the current PMT signal. Users can use this as a background subtract or offset feature.

User can cancel the zeroing by issuing `HERE [axis]=0` . Readings reported by [RDADC command](#) will not be altered anymore.

Only the readings reported by the [RDADC command](#) are altered. 0-4V Analog PMT signal on the BNC connector is not altered.

This is a card wide-settings , both PMT0 and PMT1's reading are altered.

More details [here](#).

Example

```
h m
: A
```

If the TGPMT card axis char is **m**. Saves the current PMTs readings and starts subtracting them from RDADC commands reported readings.

```
h m=0
: A
```

If the TGPMT card axis char is **m**. Clears the saved PMTs readings and stops subtracting them from RDADC commands reported readings.

[commands](#), [tiger](#), [ms2000](#), [tgpmt](#)

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