

NAME

teramp – ramp the temperature to a new set point

SYNOPSIS

```
teramp new_set_point ramp_time [step_size]
```

DESCRIPTION

The `teramp` macro gradually changes (or ramps) the temperature from the current set point to `new_set_point`. The ramp takes `ramp_time` seconds to complete.

If the optional `step_size` parameter is given, it is used to calculate the time between updates of the controller setting. If the update interval is less than the value given by the global variable `TERAMP_MIN` (0.2 seconds, by default), the `step_size` will be increased to make the update interval at least `TERAMP_MIN` seconds.

If only two arguments are given and if the `ramp_time` parameter is less than 500 seconds, the controller setting is updated every two seconds. Otherwise, the controller is updated every ten seconds.

As with all of `spec`'s temperature-control macros, you need to define a `measuretemp` and a `_settemp` macro that work correctly with your instruments. See the *Temperature Control Macros* section in the *spec Standard Macro Guide* and the `temper.mac` macro source file for details.

EXAMPLE

```
teramp 1.3 300
teramp 23 500 .01
```

SEE ALSO

```
te tscan dtscan showtemp
```