

NAME

tscan – temperature scan

SYNOPSIS

```
tscan start end intervals time[sleep_time]
```

DESCRIPTION

The `tscan` macro scans the temperature controller set point. The set point starts at the value given by `start` and finishes at `end`. The step size is $(start - end) / intervals$. The number of data points collected will be $intervals + 1$. Count time is given by `time`, which if positive, specifies seconds and if negative, specifies monitor counts.

The optional `sleep_time` argument specifies a time in seconds to delay after each temperature change.

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* for details.

EXAMPLE

```
tscan 1 1.2 100 10
```

SEE ALSO

`te` `teramp` `dtscan` `showtemp`