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5.3.3.1 Numeric values

Numeric values can be entered in any form, i.e. with sign, decimal point and exponent. Values exceeding the resolution of the instrument are rounded up or down. The mantissa may comprise up to 255 characters, the exponent must lie inside the value range -32000 to 32000. The exponent is introduced by an "E" or "e". Entry of the exponent alone is not allowed.

Example:

```
SENS:FREQ:STOP 1500000 = SENS:FREQ:STOP 1.5E6
```

Units

For physical quantities, the unit can be entered. If the unit is missing, the basic unit is used. Allowed unit prefixes are:

- G (giga)
- MA (mega), MOHM, MHZ
- K (kilo)
- M (milli)
- U (micro)
- N (nano)

Example:

```
SENSe:FREQ:STOP 1.5GHz = SENSe:FREQ:STOP 1.5E9
```

Some settings allow relative values to be stated in percent. According to SCPI, this unit is represented by the `PCT` string.

Example:

```
HCOP:PAGE:SCAL 90PCT
```

5.3.3.2 Special numeric values

The following mnemonics are special numeric values. In the response to a query, the numeric value is provided.

- **MIN and MAX:** denote the minimum (MINimum) and maximum (MAXimum) value.
- **DEF:** denotes a preset value (DEFault) which has been stored in the EPROM. This value conforms to the default setting, as it is called by the `*RST` command.