

UTE9802 Programming manual

REV.1

***IDN?**

This query command reads the identification string of the instrument. Return value example:
UTE9802, SN202111051001, V1.12, V0.02

MEAS:VOLT?

Read the measured voltage value. Return value example: 220.0V, OL (Out of range, the same below)

MEAS:CURR?

Read the measured current value. Return value example: 5.12A or 500.1mA

MEAS:POW?

Read the measured power value. Return value example: 350.02W

MEAS:PF?

Read the measured power factor value. Return value example: 0.501

MEAS:FREQ?

Read the measured frequency value. Return value example: 50.01Hz

MEAS:ALL?

Read back all measured values at one time: measurement mode, voltage, current, power, power factor, frequency, separated by commas.

Example: AC, 220.1V, 5.01A, 1103.2W, 0.901, 49.99Hz

Example: DC, 220.1V, 5.01A, 1103.2W

Example: RMS, 220.1V, 5.01A, 1103.2W, 0.998, 49.99Hz

MEAS:MODE?

Read the measurement mode. Return value example: AC, DC, RMS (AC+DC)

SET:MODE XXX

Set the measurement mode. Return value example: SUCCESS, ERR

RANG:VOLT?

Read the voltage range. Return value example: AUTO, 75V, 150V, 300V, 600V

RANG:VOLT XXXX

Set the voltage range. Return value example: SUCC, ERR

RANG:CURR?

Read the current range. Return value example: AUTO, 500mA, 2A, 8A, 20A

RANG:CURR XXXX

Set the current range. Return value example: SUCC, ERR

CURR:HIG XXXX

Set the upper limit of current alarm.

Example: CURR:HIG 5A. Return value example: SUCC, ERR

CURR:HIG?

Read current alarm upper limit value.

CURR:LOW XXXX

Set the lower limit of current alarm.

Example: CURR:LOW 5A. Return value example: SUCC, ERR

CURR:LOW?

Read the lower limit value of current alarm.

POW:HIG XXXX

Set the upper limit of power alarm.

Example: POW:HIG 5W. Return value example: SUCC, ERR

POW:HIG?

Read the upper limit value of power alarm.

POW:LOW XXXX

Set the lower limit of power alarm.

Example: POW:LOW 5W. Return value example: SUCC, ERR

POW:LOW?

Read the lower limit value of power alarm.

ALAR:DELA?

Read the alarm delay value. Return value example: 0.2S

ALAR:DELA XXX

Set the alarm delay value. Return value example: SUCC, ERR

STA?

Read alarm signs, return current and power alarm signs. Separated by commas.

Example:

Return NOR, NOR, Indicates normal.

Return LOW, HIG, Indicates current lower limit alarm and power upper limit alarm.