CR

SCPI COMMAND REFERENCE

TH2883S8-5 / TH2883S4-5

Multichannel Impulse Winding Tester

Companion document to the TH2883S8-5/S4-5 Operation Manual. Full remote-control SCPI command set over RS232C, USB (USBTMC/USBCDC) and LAN, including the multichannel-only channel/step-control and per-step result subsystems.

Techmize Electronic GmbH · Ismaning, Germany
Rev. 2026-10

TH2883S8-5 / TH2883S4-5 SCPI Command Reference

Multichannel Impulse Winding Tester

This document lists the full remote-control command set for the TH2883S8-5 (8-channel) and TH2883S4-5 (4-channel) multichannel impulse winding testers. It is the companion reference to the *TH2883S8-5/S4-5 Operation Manual*. SCPI is available over all three remote interfaces (RS232C, USB, LAN). The instrument does not support MODBUS.

Section	
1. Conventions & Reference Tables	1 page
2. Common Commands & DISPlay Subsystem	1 page
3. IVOLTage & SRATE Subsystem	1 page
4. COMParator Subsystem	2 pages
5. TRIGger, STATistic & WADJust Subsystem	1 page
6. SWAVE Subsystem	1 page
7. MeasSTEP Subsystem (multichannel-only)	1 page
8. WaveSTEP Subsystem (multichannel-only)	1 page
9. FETCh? Subsystem & Waveform Data Format	2 pages
10. MEASure, ABORt & MMEMory Subsystem	1 page
11. Error Messages	1 page

SCPI commands are tree-structured (max. 3 levels, colon-separated) and case-insensitive. The capitalized portion of each keyword is the mandatory short form. A semicolon separates multiple commands at the same tree level; `;:` *restarts the next command from the tree root. All setting commands return the string* `"1"` *(success) or* `"0"` *(failure). Numeric formats: NR1 = integer, NR2 = fixed point, NR3 = floating point; NL (newline, decimal 10) terminates each command line, and ^END denotes the IEEE 488 bus EOI signal on a query response.*

SECTION 1

Conventions & Reference Tables

1.1 Command types

The instrument accepts two categories of command: IEEE 488.2 common commands and SCPI commands. SCPI commands are tree-structured, up to three levels deep; the top level of each tree is a subsystem command. A command is only valid once its subsystem (and any intermediate level) has been selected; levels are separated by a colon. This is identical to the single-channel TH2883-1/-5/-10 command set (see the companion *TH2883 SCPI Command Reference*) with two additional subsystems, `MeasSTEP` and `WaveSTEP` (§7–8), specific to channel scanning.

1.2 Syntax rules

- Commands are case-insensitive, including units.
- No space is permitted immediately before or after a colon.
- A space separates a command from its parameter.
- A command may be sent abbreviated or spelled out in full; the mandatory abbreviated portion is given in capitals throughout this document.
- A command immediately followed by a question mark (`?`) performs a query.

1.3 Multiple commands in one line

- A semicolon (`;`) separates multiple commands at the same subsystem level within one command line.
- A semicolon immediately followed by a colon (`;:`) restarts the next command from the top of the command tree.
- Common commands may be inserted at the start, middle or end of a command line, separated by semicolons.

1.4 Symbol conventions

Symbol	Meaning
`:`	Colon — moves to the next level of the command tree.
`;`	Semicolon — separates multiple commands on one line (§1.3).
`*`	Asterisk — marks the command that follows as a common (IEEE 488.2) command.
`?`	Question mark — marks a query.
`,`	Comma — separates multiple parameters.
`" "`	Quotation marks — content inside is taken literally (used for file names).
`NR1` / `NR2` / `NR3`	Integer / fixed-point decimal / floating-point.
`NL`	Newline, decimal 10 — terminates a command string.
`^END`	IEEE 488 bus EOI signal, appended to a query response.
`<>` / `[ ]`	Angle brackets enclose a program parameter; square brackets enclose an optional item.
`<N>`	In this document, a channel/step number placeholder (e.g. `:CH<N>` → `:CH1` through `:CH8` or `:CH4`, model-dependent).

> **NOTE**
> Every setting command returns the string `"1"` once it has successfully updated the instrument's parameter, or `"0"` if the update failed.

SECTION 2

Common Commands & DISPlay Subsystem

2.1 IEEE 488.2 common commands

Command	Details
`*RST`	Reset the instrument. Example: `WrtCmd("*RST")`.
`*TRG?`	Trigger the active step's measurement and write its waveform data to the output buffer. Valid only on the Measurement Display page; ignored on other pages and while a test is already in progress. Example: `WrtCmd("*TRG?")`.
`*IDN?`	Query the instrument identification. Returns `<product>,<version><NL^END>`, where `product` is the model designation (e.g. `TH2883S8-5 Impulse Winding Tester`) and `version` is the firmware version. Example: `WrtCmd("*IDN?")`.

2.2 DISPlay subsystem

Controls the active display page, waveform display mode, and the grid and secondary-display areas, identically to the single-channel series. One additional parameter selects the Multi/Single view (§3.3 of the Operation Manual).

Command	Details
`DISP:PAGE?` `DISP:PAGE <page>`	Query/switch the active display page. `page`: `MEASurement`, `MSETup`, `IFILE`, `EFILE`, `SSETup`, `ISETup`, `ABOut`. Example: `WrtCmd("DISP:PAGE MEAS")`.
`DISP:VIEW?` `DISP:VIEW <MULTi|SINGle>`	Measurement Display view mode. `MULTi`: summary view across all configured channels/steps; `SINGle`: detailed waveform/comparison view for the currently selected step. Query returns `MULTI` or `SINGLE`. Example: `WrtCmd("DISP:VIEW MULTI")`.
`DISP:WAVE?` `DISP:WAVE <AON|STD|TEST|AOFF>`	Waveform display mode for the currently selected step. Query returns `ALLON`, `ALLOFF`, `ONLY STDWAVE` or `ONLY TESTWAVE`. Example: `WrtCmd("DISP:WAVE AON")`.
`DISP:GRID?` `DISP:GRID <ON|OFF>`	Grid overlay on the waveform area. Example: `WrtCmd("DISP:GRID ON")`.
`DISP:MEASdisp <UP|DOWN>`	Selects which step's measured waveform and result is shown: `UP` returns to the previous measurement waveform and result, `DOWN` moves to the next. Example: `WrtCmd("DISP:MEASdisp UP")`.

SECTION 3

IVOLTage & SRATE Subsystem

IVOLTage controls the parameters of the applied impulse for the currently selected step: test voltage, destructive (BDV) voltage sweep, test and demagnetizing pulse counts, voltage adjustment, and the inter-measurement delay used with internal triggering. SRATE sets the waveform sampling rate. Syntax and ranges are identical to the single-channel series, except that the impulse-voltage range is fixed at the TH2883-5 platform's own range on every TH2883S8-5/S4-5 unit.

> **VOLTAGE RANGE**
>
> TH2883S8-5 and TH2883S4-5 both use the 100–5000 V, 10 V-step range (the TH2883-5 platform). There is no model-dependent variation to account for, unlike the single-channel series.

3.1 Test voltage & destructive-test sweep

Command	Details
`IVOLT:VOLT?` `IVOLTage:VOLTage <value>`	Impulse test-voltage setting for the currently selected step. `value`: NR1, NR2 or NR3, optionally with a KV or V suffix; 100–5000 V, 10 V step. Example: `WrtCmd("IVOLT:VOLT 1000V")`.
`IVOLT:BVOLT?` `IVOLTage:BVOLTage <start,end,step%>`	BDV (destructive) test voltage sweep for the currently selected step. `start`/`end`: within 100–5000 V; `start` must be less than `end`. `step%`: NR1, 1–50. Example: `WrtCmd("IVOLT:BVOLT 1000V,3000V,4")`.
`IVOLT:TIMP?` `IVOLTage:TIMPulse <number>`	Number of test (impulse) pulses per measurement. `number`: NR1, 1–32. Example: `WrtCmd("IVOLT:TIMP 3")`.
`IVOLT:EIMP?` `IVOLTage:EIMPulse <number>`	Number of demagnetizing pulses. `number`: NR1, 1–16. Example: `WrtCmd("IVOLT:EIMP 3")`.
`IVOLT:VADJ?` `IVOLTage:VADJust <ON|OFF>`	Voltage-adjustment function on/off. Example: `WrtCmd("IVOLT:VADJ ON")`.
`IVOLT:DTIM?` `IVOLTage:DTIME <value>`	Inter-measurement delay, internal-trigger mode only. `value`: NR1, NR2 or NR3, 0.1–99.9 s. Example: `WrtCmd("IVOLT:DTIM 50.1s")`.

3.2 SRATE subsystem

Command	Details
`SRATE[:RATE]?` `SRATE[:RATE] <value>`	Waveform sampling rate for the currently selected step. `value`: one of 200, 100, 50, 25, 12.5, 6.25, 3.12, 1.56 (MSa/s). Example: `WrtCmd("SRATE:RATE 100m")`.

SECTION 4

COMParator Subsystem

Controls the comparator (pass/fail judgment) function for the currently selected step, including its four independent comparison methods — area, area-difference, corona and phase-difference — against that step's acquired standard waveform. Syntax is identical to the single-channel series; each method's BDV counterpart is addressed with `:BDV:` inserted immediately after `COMParator`.

4.1 Comparator enable

Command	Details
`COMP[:STATe]?` `COMParator[:STATe] <ON|OFF>`	Comparator (pass/fail judgment) function on/off, applied across all active steps. Example: `WrtCmd("COMP ON")`.

4.2 Area comparison

Command	Details

`COMP:AREA[:STATe]?`
`COMParator:AREAsize[:STATe]`
`<ON|OFF>`
	Area-comparison method on/off for the currently selected step. Example: `WrtCmd("COMP:AREA ON")`.

`COMP:AREA:RANG?`
`COMParator:AREAsize:RANGe`
`<start,end>`
	Comparison window. `start/end`: NR1, 0–6000. Example: `WrtCmd("COMP:AREA:RANG 0,960")`.

`COMP:AREA:DIFF?`
`COMParator:AREAsize:DIFFerence`
`<value>`
	Allowed area-comparison deviation. `value`: NR1, NR2 or NR3, optionally with a `%` suffix. Example: `WrtCmd("COMP:AREA:DIFF 2.5")`.

4.3 Area-difference comparison

Command	Details

`COMP:DIFF[:STATe]?`
`COMParator:DIFFzone[:STATe]`
`<ON|OFF>`
	Area-difference comparison method on/off. Example: `WrtCmd("COMP:DIFF ON")`.

`COMP:DIFF:RANG?`
`COMParator:DIFFzone:RANGe`
`<start,end>`
	Comparison window. `start/end`: NR1, 0–6000. Example: `WrtCmd("COMP:DIFF:RANG 0,960")`.

`COMP:DIFF:DIFF?`
`COMParator:DIFFzone:DIFFerence`
`<value>`
	Allowed area-difference deviation, %. Example: `WrtCmd("COMP:DIFF:DIFF 2.5")`.

4.4 Corona comparison

Command	Details
`COMP:CORO[:STATe]?` `COMParator:CORONA[:STATe] <ON|OFF>`	Corona-discharge comparison method on/off. Example: `WrtCmd("COMP:CORONA ON")`.
`COMP:CORO:RANG?` `COMParator:CORONA:RANGe <start,end>`	Comparison window. `start`/`end`: NR1, 0–6000. Example: `WrtCmd("COMP:CORONA:RANG 100,200")`.
`COMP:CORO:DIFF?` `COMParator:CORONA:DIFFerence <value>`	Allowed corona-level deviation. `value`: NR1, 0–999. Example: `WrtCmd("COMP:CORO:DIFF 20")`.

4.5 Phase-difference comparison

Command	Details
`COMP:PHAS[:STATe]?` `COMParator:PHASediff[:STATe] <ON|OFF>`	Phase-difference comparison method on/off. Example: `WrtCmd("COMP:PHAS ON")`.
`COMP:PHAS:POS?` `COMParator:PHASediff:POSition <value>`	Zero-crossing index. `value`: NR1, 2–10. Example: `WrtCmd("COMP:PHAS:POS 3")`.
`COMP:PHAS:DIFF?` `COMParator:PHASediff:DIFFerence <value>`	Allowed phase-difference deviation, %. Example: `WrtCmd("COMP:PHAS:DIFF 2.5")`.

> **NOTE**
>
> Each comparison method's settings above apply to the step currently selected by `MeasSTEP` (§7). To configure all steps of a multichannel scan, select each step in turn and repeat the relevant `COMParator` commands.

SECTION 5

TRIGger, STATistic & WADJust Subsystem

5.1 TRIGger subsystem

Command	Details
`TRIG[:IMMediate]`	Trigger one measurement on the currently selected step and advance the scan to the next active step. Valid only on the Measurement Display page; ignored while a test is already in progress. Example: `WrtCmd("TRIG")`.
`TRIG:SOUR?` `TRIGger:SOURce <MAN|EXTernal|INTernal|BUS>`	Trigger source, applied across the scan sequence. Query returns `MAN`, `EXTERNAL`, `INTERNAL` or `BUS`. Example: `WrtCmd("TRIG:SOUR BUS")`.

5.2 STATistic subsystem

Command	Details
`STAT[:STATe]?` `STATistic[:STATe] <ON|OFF>`	Statistics function on/off, accumulated across all steps. Example: `WrtCmd("STAT ON")`.
`STATistic:CLEAr`	Clear the accumulated statistics data. No query form.
`STATistic:SAVE`	Save the accumulated statistics data to a file. No query form.

The statistics result values are retrieved with `FETCh:STATistic?` (§9.1).

5.3 WADJust subsystem

Command	Details
`WADJust[:MOVE] <RIGHt|LEFt>`	Scroll the displayed waveform left or right. No query form.
`WADJust[:EXTend]?` `WADJust[:EXTend] <value>`	Waveform time-base zoom factor. `value`: NR1, or `min` for the fully zoomed-out view. Example: `WrtCmd("WADJust:EXTend min")`.

SECTION 6

SWAVE (Standard WAVE) Subsystem

Controls acquisition and selection of the standard (reference) waveform for the currently selected step. On the TH2883S8-5/S4-5, use `MeasSTEP` (§7) to select which step `SWAVE` and `COMParator` commands apply to, and `WaveSTEP` (§8) to choose how that step sources its standard waveform (direct sample, or copied from another step).

Command	Details
`SWAVE:SMODe?` `SWAVE:SMODe <SCYCLe|OCYCLe|OSAMPle>`	Standard-waveform sampling mode for the currently selected step. `SCYCLe`: continuous cycle; `OCYCLe`: single cycle; `OSAMPle`: single-point sampling. Example: `WrtCmd("SWAVE:SMODe OSAMPle")`.
`SWAVE:TRIGger[:IMMediate]`	Trigger one standard-waveform acquisition for the currently selected step. Valid only on the Measurement Display page and only when trigger source is `BUS`. Example: `WrtCmd("SWAVE:TRIG")`.
`SWAVE:CHOose`	Select (accept) the currently acquired standard waveform as the active reference for this step. No query form.

NOTE

`SWAVE:LOAD`, `SWAVE:LOADADJVOLT` and `SWAVE:ADJVOLT?`, which exist on the single-channel TH2883-1/-5/-10 series, are **not supported** on the TH2883S8-5 and TH2883S4-5. On these models the standard waveform is acquired with `SWAVE:TRIGger` / `SWAVE:CHOose`, and the waveform source for each step is selected with `WaveSTEP:WaveMODE`.

SECTION 7 — MULTICHANNEL-ONLY

MeasSTEP Subsystem

Inserts, deletes and navigates the test-step list, and assigns each step's scanning-channel role (HIGH/LOW/CLOSE) and test mode (ordinary test vs. BDV destructive sweep) — the remote-control equivalent of Channel Setup (Operation Manual §4.9). This subsystem is specific to the TH2883S8-5/S4-5 and has no counterpart on the single-channel series.

Command	Details
`MeasSTEP:STEP <ADD|DEL>`	Insert a new step after the currently selected step (`ADD`), or delete the currently selected step (`DEL`). Up to 20 steps total. No query form. Example: `WrtCmd("MeasSTEP:STEP ADD")`.
`MeasSTEP:STEP <UP|DOWN>`	Move the currently selected step up or down one position in the step list (reorders which channel is tested in which sequence position). No query form. Example: `WrtCmd("MeasSTEP:STEP UP")`.
`MeasSTEP:MODE?` `MeasSTEP:MODE <TESTMODE|BDVMODE>`	Test mode for the currently selected step. `TESTMODE`: ordinary comparator test; `BDVMODE`: BDV destructive step-voltage sweep (see `IVOLTage:BVOLTage`, §3.1). Example: `WrtCmd("MeasSTEP:MODE TESTMODE")`.
`MeasSTEP:CH<N>?` `MeasSTEP:CH<N> <HIGH|LOW|CLOSe>`	Assign scanning channel `<N>` (1–8 on the TH2883S8-5, 1–4 on the TH2883S4-5) to the currently selected step, with role `HIGH` (impulse output, red terminal), `LOW` (return, black terminal) or `CLOSe` (channel closed/switched off for this step, white terminal). Query returns `HIGH`, `LOW` or `CLOSE`. Example: `WrtCmd("MeasSTEP:CH1 HIGH")`, `WrtCmd("MeasSTEP:CH2 LOW")`.

> **NOTE**
>
> Which step is "currently selected" for `MeasSTEP`, `SWAVE` and `COMParator` commands is set by navigating the step list with `MeasSTEP:STEP UP` / `DOWN`, or implicitly by the step most recently inserted with `MeasSTEP:STEP ADD`. Steps are selected sequentially with `UP` / `DOWN`.

Worked example — configuring 3 of 8 channels

```
   WrtCmd("MeasSTEP:STEP ADD")
WrtCmd("MeasSTEP:MODE TESTMODE")
   WrtCmd("MeasSTEP:CH1 HIGH")
    WrtCmd("MeasSTEP:CH2 LOW")
   WrtCmd("MeasSTEP:STEP ADD")
WrtCmd("MeasSTEP:MODE TESTMODE")
   WrtCmd("MeasSTEP:CH3 HIGH")
    WrtCmd("MeasSTEP:CH4 LOW")
   WrtCmd("MeasSTEP:STEP ADD")
WrtCmd("MeasSTEP:MODE TESTMODE")
   WrtCmd("MeasSTEP:CH5 HIGH")
    WrtCmd("MeasSTEP:CH6 LOW")
```

Configures three steps (each command is sent in full, one per call), each pairing a HIGH/LOW channel for an ordinary (TESTMODE) comparator test.

SECTION 8 — MULTICHANNEL-ONLY

WaveSTEP Subsystem

Navigates between standard-wave-copy and comparison steps, and selects how the currently selected step sources its standard waveform — the remote-control equivalent of Match Setup (Operation Manual §4.10). Specific to the TH2883S8-5/S4-5; no counterpart on the single-channel series.

Command	Details
`WaveSTEP:UP` `WaveSTEP:DOWN`	Move to the previous (`UP`) or next (`DOWN`) step. No query form. Example: `WrtCmd("WaveSTEP:UP")`.
`WaveSTEP:WaveMODE?` `WaveSTEP:WaveMODE <NONE|SAMPLE|SW.COPY|TW.COPY>`	Standard-waveform source mode for the currently selected step (Match Setup §4.10). `NONE`: no standard waveform assigned; `SAMPLE`: capture directly on this step (use with `SWAVE`, §6); `SW.COPY`: copy the standard waveform already captured on another step; `TW.COPY`: this step is a comparison test against the captured standard waveform of another step (selected with `WaveSTEP:STEP`). Example: `WrtCmd("WaveSTEP:WaveMODE SW.COPY")`.
`WaveSTEP:STEP?` `WaveSTEP:STEP [UP]|[DOWN]`	In `SW.COPY`/`TW.COPY` mode, selects the source step to copy from/compare against: `UP` selects the previous step, `DOWN` the next step. Query returns the selected source step's label in the format `STD.Step_XX` (standard-wave source) or `TST.Step_XX` (test-wave source), where `XX` is the step number. Example: `WrtCmd("WaveSTEP:STEP UP")`; query: `WrtCmd("WaveSTEP:STEP?")` → `STD.Step_01`.

> **NOTE**
> `WaveSTEP:STEP` is only meaningful once `WaveSTEP:WaveMODE` is set to `SW.COPY` or `TW.COPY` on the currently selected step, and requires at least 2 steps to exist (§7, `MeasSTEP:STEP ADD`).

Worked example — setting a step to copy a standard waveform

```
WrtCmd("WaveSTEP:WaveMODE SW.COPY")
WrtCmd("WaveSTEP:STEP UP")
```

Sets the currently selected step to SW.COPY, then moves the source-step selection one step back with `WaveSTEP:STEP UP`; the selected source step can be read back with `WaveSTEP:STEP?`. See also Operation Manual §4.10.

SECTION 9

FETCh? Subsystem

Retrieves waveform data, comparator results, statistics data, and voltage/frequency/time measurement results. All single-channel `FETCh?` queries (§9.1) apply to the currently selected step; two additional queries (§9.2) retrieve results across the whole scan sequence and are specific to the TH2883S8-5/S4-5.

9.1 Per-step results (shared with the single-channel series)

Command	Details
`FETC:VOLT?`	Peak voltage of the currently selected step's most recent measurement. Returns `<NR1><NL^END>`, in volts.
`FETC:FREQ?` / `FETC:TIME?`	Frequency / time result within the range set by `MEASure` (§10.1). Returns `<NR3><NL^END>`.
`FETC:STATistic?`	Current statistics-counter data, accumulated across the scan. Returns ten comma-separated NR1 values as on the single-channel series (total tests, total passes, then per-method pairs for area/area-diff/corona/phase-diff).
`FETC:CRESult?`	Comparator result of the currently selected step's most recent measurement — same three-format response as the single-channel series (overall result plus the four per-method results, with 9.9E37/9999 placeholders for disabled methods).

9.2 Scan-wide results (multichannel-only)

Command	Details
`FETC:CCRESULT?`	Overall judgment across the complete scan sequence (all active steps). Returns `<NR1><NL^END>`: 1 = all active steps passed, 0 = at least one active step failed. Equivalent to a logical AND of every active step's `FETC:CRESult?` overall result.
`FETC:MCRESUlt?`	Per-step judgment array for the complete scan sequence. Returns a comma-separated list of NR1 values, one per active step, in step order (1 = pass, 0 = fail). Example (3 active steps, step 2 failed): `1,0,1<NL^END>`.

> **NOTE**
> Query `FETC:CCRESULT?` for a single pass/fail decision on the whole scan (e.g. to drive a HANDLER-equivalent sort decision over the bus), and `FETC:MCRESUlt?` when the host needs to know which specific channel(s) failed.

9.3 Waveform data

Command	Details
FETC:SWAVE?	Output the currently selected step's standard waveform data (6000 points, format below).
FETC:TWAVE?	Output the currently selected step's most recent test waveform data (1200 points, format below).
FETC:CWAVE?	Output the currently displayed corona waveform data for the currently selected step.

If neither a new nor a completed measurement's data is yet available for the selected step, the response is deferred until that step's measurement completes.

Waveform data transfer format

Identical to the single-channel series: waveform data is transmitted as an ASCII string, the standard waveform as 6000 points and the test waveform as 1200 points, each point as two characters representing the high and low nibble of its hexadecimal value (0–255):

```
<DATA[1][0]><DATA[1][1]><DATA[2][0]><DATA[2][1]>…<DATA[n][0]><DATA[n][1]><NL^END>
```

If the requested waveform data does not exist, the instrument returns only the terminator `<NL^END>`.

> **WARNING**
> After sending a waveform-data query, the host must be ready to receive immediately, to avoid data loss.

SECTION 10

MEASure, ABORt & MMEMory Subsystem

10.1 MEASure subsystem

Command	Details
`MEAS:VOLT?` `MEASure:VOLTage <upper,lower>`	Voltage measurement range for the currently selected step. `upper`/`lower`: NR1, 1–248. Example: `WrtCmd("MEAS:VOLT 1,199")`.
`MEAS:FREQ?` `MEASure:FREQuency <start,end>`	Frequency measurement range. `start`/`end`: NR1, 0–598. Example: `WrtCmd("MEAS:FREQ 100,200")`.
`MEAS:TIME?` `MEASure:TIME <start,end>`	Time measurement range. `start`/`end`: NR1, 0–598. Example: `WrtCmd("MEAS:TIME 100,200")`.

10.2 ABORt subsystem

Command	Details
`ABORt`	Abort the scan sequence currently in progress. No query form. Example: `WrtCmd("ABOR")`.

10.3 MMEMory subsystem

Saves, loads and deletes complete instrument-setting files (100 record slots), including the full step/channel program (`MeasSTEP` / `WaveSTEP` configuration).

Command	Details
`MMEMory:LOAD:STATe <record>`	Load a previously saved settings/step-program file. `record`: NR1, 1–100. No query form.
`MMEMory:STORe:STATe <record,"name">`	Save the instrument's current settings and step/channel program to a file. `record`: NR1, 1–100; `"name"`: up to 10 ASCII characters. No query form.
`MMEMory:DELete:STATe <record>`	Delete a stored settings file. `record`: NR1, 1–100. No query form.

SECTION 11

Error Messages

Identical to the single-channel series: the instrument parses and executes each command string as received; on an error it displays a message and discards the remainder of that command string.

Error message	Meaning
`Unknown message!`	Unrecognized command.
`Data out of range!`	Parameter value outside the valid range.
`Error parameter!`	Unrecognized parameter for the given command.
`Error unit suffix!`	Unit suffix not valid for that parameter.
`Data too long!`	Parameter exceeds its maximum length.
`File not exist!`	The referenced file record does not exist.
`Out of file range!`	File record number outside 1–100.
`Trigger ignores!`	A trigger was ignored, typically because a test was already in progress.
`Command ignores!`	A command was ignored because it is not valid in the instrument's current state.
`File already exist!`	The file name given to `MMEMory:STORe:STATe` is already in use.
`Error syntax!`	Malformed command syntax.

Contact, support & related documents

This command reference is the companion to the *TH2883S8-5/S4-5 Operation Manual* (front-panel operation, channel setup, remote-interface wiring, HANDLER interface) and the *TH2883S8-5/S4-5 Datasheet* (specifications). For questions about any command's exact behaviour, or to report a discrepancy against your instrument's firmware, contact Techmize using the details below.

Techmize Electronic GmbH

Office 125–126, Regus
Carl-Zeiss-Ring 15a, 85737 Ismaning,
Germany
An international subsidiary of Changzhou
Tonghui Electronic Co., Ltd. (China)

Contact

Mobile: +49 171 4981898
Email: dx.han@tonghui.com.cn
Web: en.tonghui.com.cn

Registration

Managing Director: Haohua Zhao
Register Court: Amtsgericht München
HRB 312530 · VAT ID DE463170824