

Manual Supplement

Manual Title: 8588A/8558A Programmers Supplement Issue: **2**
Print Date: March 2019 Issue Date: 4/21
Revision/Date: Page Count: 1

This supplement contains information necessary to ensure the accuracy of the above manual.

FLUKE®

Calibration

Change #1, 724

On page 63, replace the **Compare Two Resistance Values Using SCAN** table with:

Compare Two Resistance Values Using SCAN

Objective/Actions	
To compare two resistances using SCAN:	
1. Connect two resistances 100 Ω on the rear, 1 k Ω on the front.	
2. Run the commands below.	
Example	Result/Comments
*RST	
:FUNction "RESistance"	(Select the Resistance function)
:RESistance:MODE NORMAl	(Set 2-wire Ohms)
:RESistance:RANGe 10000	(Set the 10 k Ω range, leaving other settings as defaults)
:ROUTE:TERMinals SCAN	(Select SCAN)
:ROUTE:INPut:SCAN:CALCulation RATio	
:READ?	(Calculation of (Front-Rear) / Rear) yields approximately 9)
:ROUTE:INPut:SCAN:CALCulation DIVision	
:READ?	(Calculation of (Front / Rear) yields approximately 10)
:ROUTE:INPut:SCAN:CALCulation DIFFerence	
:READ?	(Calculation of (Front-Rear) yields approximately 900)

Change #2, 175

On page 9, prior to **Introduction to SCPI Syntax**, add:

Emulated Parsers

The 8588A can support alternative remote command language parsers. To access this feature:

1. Push **INST SETUP**.
2. On the screen, tap **Remote Settings**.
3. Modify the **Emulation** field.

The emulation parser initially defaults to *None* (for example, the native 8588A/8558A SCPI parser), but retains its last setting on a power cycle (or *RST) so requires a manual reset.

These commands can also be used to set the emulation mode remotely.

Emulation command summary:

- L1 - Enable native parser
- L2 - Enable Fluke 8508A parser.
- L3 - Enable 3458A parser.

Note

The L remote control commands are only meaningful when sent with the GPIB remote interface active, but can be sent when native, HP3458A or Fluke 8508 emulation is selected.

Sending an L command effectively resets the instrument, but leave it in remote, with the requested-command parser active.