

# PSD90-3 Software Release Notes

## Software Version 1.08

09/23/2025

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### Improvements

- Corrected issue with decimal placement when selecting the measurement range (all modes)
- Megger Calibration noise reduction
- Updated automatic DC CAP offset calibration to correct for front panel switch position
- RCI Command Updates
- RCI command parameters will now correctly be case-insensitive

### Calibration

- Re-calibration is not required.

### Download Instructions

This is a factory-only update and this update will be installed during calibration or please contact VIAVI Solutions for an RMA, <https://www.viavisolutions.com/en-us/support/customer-support/return-material-authorization-rma-request>

Contact Information  
VIAVI Solutions  
Avionics and Radio Test  
10200 West York Street  
Wichita, KS 67215

800-835-2350  
[techsupport.avcomm@viavisolutions.com](mailto:techsupport.avcomm@viavisolutions.com)

## Software Version 1.06

11/01/2024

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### Improvements

- Megger readings below -2000M Ohm will now read Over Range
- Corrected issue in Megger where selecting Auto Range will set the units to Ohms not Mega Ohms.
- Corrected functionality of Measure Internal for REV DC Cap.

### Calibration

- Re-calibration is not required.

## Software Version 1.05

06/28/2023

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### Improvements

- Updated RS-232 Remote Command Interface (RCI) for buffer overflow occurrences that would require a power cycle to clear.
- Megger resistance values greater than 20G Ohm will now show Over Range
- Probe Check light threshold will now only be settable to whole percents. Displayed percent in Probe Check in the top left will now be rounded down instead of rounded up.

### Calibration

- Re-calibration is not required.

## Software Version 1.04

05/02/2023

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### New Features

- Offset Calibrations for all modes can now be automatically zeroed by pressing the SIM FINE Knob.
- RCI Commands were added to fill gaps in full remote control.
- ADC calibrations now check for invalid results and retry if failed. Self-test failures are reported.

### Improvements

- Corrected issue where display would stop updating during certain front panel switch operations.
- Improved Probe Check Calibration Resistance Vector Offset Calibration
- Introduced a small delay when a switch is turned to reduce excessive relay switching.
- Added retries for EEPROM reads.
- Corrected issue where the Simulator Auto-Correct was incorrectly preserved when changing from MEAS INT to SIMULATE and back.
- Corrected issue where the Simulator Auto-Correct would not perform the auto-correct.
- Corrected issue where the Simulator did not function correctly when booting up if MODE/SIM switch was set to 2-WIRE or 3-WIRE.
- Modified Simulator Auto-Correct for OEM DC to eliminate overshooting.
- Corrected Issue where COMP was mistakenly being displayed when it was not actually being simulated.
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- Corrected the DC CAP auto offset calibration when the unit is in REV DC mode.
- Probe Check Light Threshold is now done in Percent instead of pF.
- OEM DC Option now also requires DC CAP Option.
- Probe Check with Calibration Pin Grounded can now show Cap vector, Mag Vector, or Res vector by turning FINE knob.
- On Boot-up, Software measures Main Board Hardware Rev Resistor
- When the PLL is turned off, a shutdown routine is performed to make sure the unit is in stable configuration
- When switching modes, ADC Calibration will be aborted if running.
- User can no longer change Frequency of Check Probe during self-test if calibration pin is grounded.
- Improved RCI Parsing routine.

### Calibration

- Re-calibration is not required.

## Software Version 1.02

02/03/2023

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### New Features

- General: Initial release

### Improvements

- General: Initial release