

TDS3000B Series Read This First

The following specification, performance verification, and information changes and additions have been made to the following TDS3000B Series instrument manuals.

TDS3000B User Manual Changes

Make the following changes to the TDS3000B series user manual:

1. In the General Safety Summary section, page viii, add the following new heading and text at the bottom of the page:

Mercury Notification

This oscilloscope uses an LCD backlight lamp that contains mercury. Disposal may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance (www.eiae.org).

2. In Appendix A (Specifications), page A-6, Edge Trigger Sensitivity, replace the specification with the following:
 ≤ 0.6 div from DC to 50 MHz, increasing to 1 div at oscilloscope bandwidth.
3. In Appendix A (Specifications), page A-12, EMC Certifications and Compliances, add the following new text below EN 61000-3-2 AC power line harmonic emissions:

EN 61000-3-3

Voltage changes, fluctuations and flicker



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4. In Appendix A (Specifications), page A-13, EMC Certifications and Compliances, footnote 3, replace the text with the following:

The increase in trace noise while subjected to a test field (3 V/m over the frequency range 80 MHz to 1 GHz, with 80% amplitude modulation at 1 kHz) is not to exceed 8 major divisions peak-to-peak. Ambient conducted fields may induce triggering when the trigger threshold is offset less than 4 major divisions from ground reference.

5. In Appendix E (Performance Verification), Check Channel Edge-Trigger Sensitivity, page E-15, step 20, replace step 20 with the following steps:

20a. Set the output amplitude of the leveled sine wave generator so the peak-to-peak measurement is approximately 2.5 V. Note the generator output amplitude setting.

20b. Set the generator output amplitude to one fifth of the output amplitude that was set in step 20a.

TDS3000B Service Manual Changes

Make the following changes to the TDS3000B Series Service Manual (Tektronix part number 071-0972-03)

1. In the General Safety Summary section, page x, replace the *Components That Contain Mercury* heading and text with the following:

Mercury Notification

This oscilloscope uses an LCD backlight lamp that contains mercury. Disposal may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance (www.eiae.org).

2. In Section 1 (Specifications), page 1-5, Edge Trigger Sensitivity specification, replace the specification with the following:

≤ 0.6 div from DC to 50 MHz, increasing to 1 div at oscilloscope bandwidth.

3. In Section 1 (Specifications), page 1-10, EMC Certifications and Compliances, add the following new text below EN 61000-3-2 AC power line harmonic emissions:

EN 61000-3-3

Voltage changes, fluctuations and flicker

4. In Section 1 (Specifications), page 1-10, EMC Certifications and Compliances, change footnote 3 to read as follows:

The increase in trace noise while subjected to a test field (3 V/m over the frequency range 80 MHz to 1 GHz, with 80% amplitude modulation at 1 kHz) is not to exceed 8 major divisions peak-to-peak. Ambient conducted fields may induce triggering when the trigger threshold is offset less than 4 major divisions from ground reference.

5. In Section 4 (Performance Verification), *Check Channel Edge-Trigger Sensitivity at Maximum Bandwidth*, page 4-10, step 20, replace step 20 with the following steps:

20a. Set the output amplitude of the leveled sine wave generator so the peak-to-peak measurement is approximately 2.5 V. Note the generator output amplitude setting.

20b. Set the generator output amplitude to one-fifth of the output amplitude that was set in step 20a.

6. In Section 4 (Performance Verification), *Check Channel Edge-Trigger Sensitivity at 50 MHz*, page 4-12, replace step 20 with the following steps:

20a. Set the output amplitude of the leveled sine wave generator so the peak-to-peak measurement is approximately 3 V. Note the generator output amplitude setting.

20b. Set the generator output amplitude to one-tenth of the output amplitude that was set in step 20a. If you are using the recommended generator model, select the +10 soft key.