



MTS FlexDAC™ Calibration

Benefits

- » Traceability
- » Data integrity
- » Speed of calibration
- » ISO/IEC 17025 accredited calibration available

Maintaining your data acquisition equipment is essential to collecting relevant and accurate test data. With the new MTS FlexDAC calibration offering, you can affirm the measurement integrity of your data acquisition system. Conducting partitioned calibrations on system components is critical in large structural testing applications where it is difficult to conduct a full end-to-end calibration, but where large amounts of data are collected and measurement accuracy is paramount.

There are two options for conducting the calibration: either through a service purchase or an equipment purchase. You can choose to have an MTS Field Service Engineer (FSE) conduct the calibration, or you can purchase the Calibration Kit and an annual software subscription to

complete the calibration yourself. When an MTS FSE does the calibration, you will receive a comprehensive report showing whether channels are in tolerance or out of tolerance and that the accredited calibration was performed. The report includes as found/as left values and recommendations to address any concerns.

During the calibration process, the FSE can indicate items that are marginally within tolerance, so you can decide what to do about them. The FSE can also perform any system adjustments that need to be made.

These partitioned calibrations will help you improve test data accuracy and your data acquisition system performance. Call MTS today to discuss the best solution for your lab.

be certain.

Eligible Data Acquisition Systems

- » FlexDAC 20 Systems


FlexDAC Calibration Options

SERVICE PURCHASE

MTS Field Service Engineer arrives onsite to provide the calibration and leaves a comprehensive report. The FSE can also perform adjustments to the FlexDAC system. ISO/IEC 17025 accredited calibration is offered through North American Field Service Engineers or from the MTS Factory Metrology Laboratory.

EQUIPMENT PURCHASE

You can buy the Calibration Kit and purchase an annual subscription to the calibration software.



CERTIFICATE OF CALIBRATION

MANUFACTURER: MTS Systems Corporation
 MODEL NUMBER: MTS FlexDAC™ 20
 SERIAL NUMBER: 09008221E
 DESCRIPTION: Data Acquisition System

CUSTOMER NAME: MTS Metrology
 CUSTOMER ID NUMBER: 12345678
 MTS SITE NUMBER: 123456

This document applies only to the calibration of the item described above. MTS Metrology Laboratory, if shown below, the calibration interval is declaring an in-tolerance or out-of-tolerance condition, the MTS Metrology decision rule. The stability of the UUT over time depends upon many of those using the UUT to quantify their measurement uncertainty and ensure that measurement traceability is credibly maintained.

MTS Metrology Laboratory measurement standards, calibration procedure of Units (SI) through the National Institute of Standards and Technology by the American Association for Laboratory Accreditation (A2LA Cert with the international standard for calibration laboratories ISO/IEC 17025:2005).

*When a parameter is reported to be within specified tolerance, the measurement uncertainty of the measurement shall be reported and provided to the customer.


Conditions At Time Of Calibration:
 As Found: In Tolerance
 As Left: In Tolerance
 Environment: 72° ± 5%RH

Standards Used For Calibration:	Model
MTS Asset	Manufacturer
12345	Rothley
12345	Fluke
	971

Summary Results / Notes / Remarks:

Certified By: Kevin Rurr
Metrologist

This certificate and associated report is valid only for the item listed above and is not valid for other items. MTS FlexDAC Calibration Report - As Found - No Adjustment - (Rev: 24-Feb-2015)



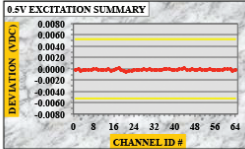
MTS SYSTEMS CORPORATION CALIBRATION REPORT

MANUFACTURER: MTS Systems Corporation
 MODEL NUMBER: MTS FlexDAC™ 20
 SERIAL NUMBER: 09008221E
 DESCRIPTION: Data Acquisition System

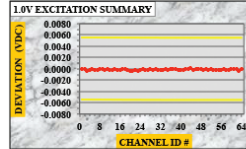
CUSTOMER NAME: MTS Metrology
 CUSTOMER ID NUMBER: 12345678
 MTS SITE NUMBER: 123456
 CALIBRATION DATE: 25-Feb-2015

EXCITATION CALIBRATION GRAPHICAL SUMMARY - As Found and As Left

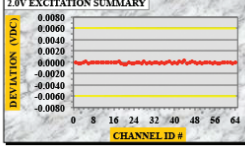
0.5V EXCITATION SUMMARY



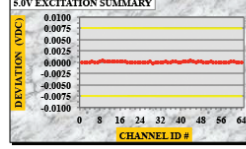
1.0V EXCITATION SUMMARY



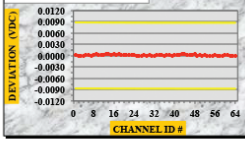
2.0V EXCITATION SUMMARY



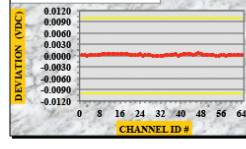
5.0V EXCITATION SUMMARY



7.5V EXCITATION SUMMARY



10.0V EXCITATION SUMMARY



MTS FlexDAC Calibration Report - As Found - No Adjustment - (Rev: 24-Feb-2015) Page 3 of 16

Example of a calibration certificate and report



The Calibration Kit includes a laptop, multimeter, temperature/humidity meter, label printer and cables



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