



# Televac® Calibration and Service Instructions and Options

## 01 Getting Your Service Order (RMA) Number

- Visit our website, [frederickscompany.com](https://frederickscompany.com) and submit the Televac® Service Order (RMA) - Request for Calibration and Service Form

[Get Started](#)

- A member of our sales team will provide you with the Service Order (RMA) Number once all the required documentation has been provided to us

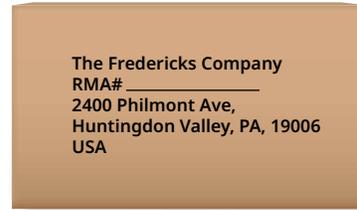


Controller Part Number *	Controller Serial Number	Thermocouple, Convection, Cold Cathode, and Other Connected Gauges *
MX200 (2-7900-034)		
MX200 (2-7900-034)		
MX200 EthernetIP (2-7900-037)		
MM200 (2-7900-20)		
MC300 (2-450X-XXXX)		
MV2A (2-7900-07X)		
Compact 2A (2-3014-042)		
VacuGuard™ (2-3001-10X)		
B2A Portable (2-3001-10X)		
MX2A Thermocouple (2-8910-100)		
MX4A Convection (2-8930-100)		
MX7B Cold Cathode (2-8940-XXXX)		
MX7M Cold Cathode (2-8950-XXXX)		
CC-10 Wide Range (2-7980-000)		

Calibration Points, Reason for Return (if other than calibration), and

## 02 Getting Your Equipment Ready To Ship

- Mark the Service Order (RMA) Number on the outside of the box you're using for shipment
- Print and place the Service Order Acknowledgement inside the box



### ISO 17025 Accredited, NIST Traceable Calibrations, and Equipment Evaluation

For ISO 17025 accredited, NIST traceable calibrations, and equipment evaluations the vacuum gauges (2A, 4A, 7B, and others) and cables need to be included with the controller (MX200, MM200, MC300, and others)

**If any items are missing, additional charges may be applied to you order!**



## 03 Shipping Your Equipment

- Ship your equipment to our calibration lab in Huntingdon Valley, Pennsylvania, United States

The Fredericks Company  
 RMA # \_\_\_\_\_  
 2400 Philmont Ave,  
 Huntingdon Valley, PA, 19006  
 USA



### Need Assistance?

If you have questions about our services or about shipping your vacuum gauging equipment, email our sales team at [sales@frederickscompany.com](mailto:sales@frederickscompany.com) or call us at +1 215 947 2500

[Email Us](#)





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## Vacuum Calibration Options

### Quick Reference Table

Description	Factory	NIST Traceable	ISO 17025 Accredited
Electrical verification	Yes	No	No
Vacuum comparison calibration to NIST traceable references	No	Yes	Yes
Reference standard uncertainties included	No	No	Yes
ISO 17025 accredited calibration	No	No	Yes

### ISO 17025 Accredited Vacuum Calibration

The Fredericks Company is ISO/IEC 17025 accredited for vacuum and pressure calibration in the range of 1E-6 Torr to 1000 Torr. Units are vacuum calibrated (on a vacuum stand) in nitrogen gas at various points (gauge dependent) against reference standards traceable to NIST, using systems that are accredited to ISO 17025. This includes incoming (as found) data, outgoing (as left) data after calibration adjustments, and the reference standard uncertainty at each calibration point.

### NIST Traceable Vacuum Calibration

The Fredericks Company offers NIST traceable calibration, where units are vacuum calibrated (on a vacuum stand) in nitrogen gas at various points (gauge dependent) against reference standards traceable to NIST. This includes incoming (as found) data, outgoing (as left) data after calibration adjustments, but does not include the reference uncertainty at each point (ISO 17025 accredited calibration does include uncertainties).

### Factory Vacuum Calibration

The Fredericks Company offers factory calibration, where units are electrically verified using electrical equipment only. The verification includes checking that the units provide vacuum readings within a specified tolerance when a specific electrical signal is applied.

[Learn More About Calibration Options](#)

### Televac® Vacuum Calibration Tolerances

You can find detailed vacuum calibration tolerances for all our calibration services, including ISO 17025 accredited calibration, NIST traceable calibration, and factory calibration, conveniently listed on our website to view and download.

[View Televac® Vacuum Calibration Tolerances](#)