

## Certificate of Traceable Calibration

Documented for:

Stratatek T&M  
101 Amber St. Unit 18-20  
Markham, ON  
L3R 3B2 Canada

<b>Certificate Serial Number: 28075</b> <b>Job Name ID: 8095</b> <b>Customer Asset Number: N/A</b>	<b>Instrument: Multifunction Process Calibrator</b> <b>Manufacturer: Fluke</b> <b>Model/Cat. Number: 725</b> <b>Serial Number: 8634050</b>
<b>Condition as Received</b> Date: August 25, 2023 <input checked="" type="checkbox"/> In Good Condition <input type="checkbox"/> Defective <input type="checkbox"/> Physically Damaged	<b>Returned</b> <input checked="" type="checkbox"/> Without Adjustment <input type="checkbox"/> Repaired <input type="checkbox"/> With Adjustment <input type="checkbox"/> Other <input type="checkbox"/> With Restrictions (limited)
<b>Calibration Date: August 25, 2023</b> <b>Calibration Due Date: August 25, 2024</b>	Temperature: (21 +/- 2)°C Relative Humidity: (35 +/- 10)%

**PASSED.** No Adjustment Required.

This document certifies that the above instrument has been calibrated with measurement uncertainties expressed or implied estimated at a 95% level of confidence assuming a normal distribution with a coverage factor of k=2 sigma. It has been calibrated using standards whose accuracy are metrologically traceable to the International System of Units through either the National Institute of Standards and Technology (NIST) or NRC Canada (NRCC) and/or have been derived from accepted values of natural physical constants or derived by the ratio type of self-calibration techniques.

**NIST/NRCC Traceable Standards**

Asset 600220 Type Multimeter, Agilent 3458A-002 (4 ppm)  
Asset SE-00132 Type Calibrator, Meatest 9010+  
Asset 600218 Type Calibrator, Fluke 5700A-II/EP  
Asset 600188 Type Temp. Reference, Batemika B03A

Cert. WO-00413121 Next Cal. Mar 27, 2024  
Cert. 6011-KL-L0669-23 Next Cal. July 27, 2024  
Cert. 26231 Next Cal. Oct 03, 2023  
Cert. 27633 Next Cal. Nov 24, 2023

<b>Calibrated by:</b>  Sumit Sebastian, Calibration Technician	<b>Date Issued: August 25, 2023</b>
QA Procedure: STR_CAL_21	Test Procedure: 725

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**Limited Liability**  
Stratatek Test & Measurement. Toronto, ON. 905-406-0100  
The Calibration of this unit is guaranteed to be within product specifications when the unit leaves Stratatek Investing Inc. service center. Stratatek Test & Measurement will not assume any liability incurred during use of this unit should it lose calibration for any reason.



<b>Certificate Serial Number: 28075</b> <b>Job Name ID: 8095</b> <b>Customer Asset Number: N/A</b>	<b>Instrument: Multifunction Process Calibrator</b> <b>Manufacturer: Fluke</b> <b>Model/Cat. Number: 725</b> <b>Serial Number: 8634050</b>
<b>Calibration Data</b>	

Table 7. Upper Display Voltage Readings			
Calibrator Output	Fluke 725 Limits	Actual 725 Reading	Uncertainty
0.000 V	-0.002 V to +0.002 V	0.000 V	0.0000015 V
15.000 V	14.995 V to 15.005 V	14.999 V	0.000185 V
30.000 V	29.992 V to 30.008 V	29.999 V	0.0006 V
Table 8. Lower Display mV Readings			
Calibrator Output	Fluke 725 Limits	Actual 725 Reading	Uncertainty
0.00 mV	-0.02 mV to +0.02 mV	0.00 mV	0.0015 mV
45.00 mV	44.97 mV to 45.03 mV	45.00 mV	0.002175 mV
89.00 mV	88.96 mV to 89.04 mV	89.00 mV	0.002835 mV
Table 9. Lower Display Voltage Readings			
Calibrator Output	Fluke 725 Limits	Actual 725 Reading	Uncertainty
0.000 V	-0.002 V to +0.002 V	0.000 V	0.0000015 V
10.000 V	9.996 V to 10.004 V	9.999 V	0.000135 V
20.000 V	19.994 V to 20.006	19.999 V	0.000235 V
Table 10. Upper Display mA Readings			
Calibrator Output	Fluke 725 Limits	Actual 725 Reading	Uncertainty
4.000 mA	3.997 mA to 4.003 mA	3.999 mA	0.001 mA
12.000 mA	11.995 mA to 12.005 mA	12.000 mA	0.0018 mA
24.000 mA	23.993 mA to 24.007 mA	24.000 mA	0.0074 mA
Table 11. Lower Display mA Readings			
Calibrator Output	Fluke 725 Limits	Actual 725 Reading	Uncertainty
4.000 mA	3.997 mA to 4.003 mA	3.999 mA	0.001 mA
12.000 mA	11.995 mA to 12.005 mA	11.999 mA	0.0018 mA
24.000 mA	23.993 mA to 24.007 mA	23.999 mA	0.0074 mA
Table 12. Lower Display 4-Wire Resistance Readings			
Calibrator Output	Fluke 725Limits	Actual 725 Reading	Uncertainty
15.00 Ω	14.90 Ω to 15.10 Ω	14.97 Ω	0.00575 Ω
350.00 Ω	349.90 Ω to 350.10 Ω	349.92 Ω	0.038 Ω
500.00 Ω	499.5 Ω to 500.5 Ω	499.9 Ω	0.053 Ω
1500.0 Ω	1499.5 Ω to 1500.5 Ω	1499.9 Ω	0.165 Ω
3200.0 Ω	3199.0 Ω to 3201.0 Ω	3199.9 Ω	0.318 Ω



**Table 13. Type-J Thermocouple Readings**

Calibrator Output	Fluke 725 Limits	Actual 725 Reading	Uncertainty
0.0°C	-0.7°C to +0.7°C	0.1 °C	0.1°C

**Table 14. Lower Display Thermocouple Source Readings**

725 Output	Fluke 725 Limits	BO3A Reading	Uncertainty
0°C	-0.7°C to +0.7°C	-0.4 °C	0.1°C

**Table 15. Lower Display mA Source Readings**

725 Outputs	Fluke 725 Limits	3458A Reading	Uncertainty
4.000 mA	3.9972 mA to 4.0028 mA	4.000 mA	0.0001 mA
12.000 mA	11.9956 mA to 12.0044 mA	12.000 mA	0.00048 mA
24.000 mA	23.9932 mA to 24.0068 mA	24.001 mA	0.00096 mA

**Table 16. Lower Display mV Source Readings**

725 Output	Fluke 725 Limits	3458A Reading	Uncertainty
0.00 mV	-0.020 mV to +0.020 mV	0.002 mV	0.0003 mV
45.00 mV	44.970 mV to 45.030 mV	44.995 mV	0.00036 mV
100.00 mV	99.960 mV to 100.040 mV	99.995 mV	0.0008 mV

**Table 17. Lower Display Voltage Source Readings**

725 Output	Fluke 725 Limits	3458A Reading	Uncertainty
0.000 V	-0.002 V to +0.002 V	0.000 V	0.000003 V
5.000 V	4.9970 V to 5.0030 V	5.000 V	0.00002025 V
10.000 V	9.9960 V to 10.0040 V	10.000 V	0.0000405 V

**Table 18. Lower Display Ohms Source Readings**

725 Output	Fluke 725 Limits	3458A Reading	Uncertainty
15.0 Ω	14.9 Ω to 15.1 Ω	15.01 Ω	0.000255 Ω
360.0 Ω	359.9 Ω to 360.1 Ω	360.01 Ω	0.0054 Ω
500 Ω	499.5 Ω to 500.5 Ω	500.01 Ω	0.0075 Ω
1500 Ω	1499.5 Ω to 1500.5 Ω	1500.05 Ω	0.0225 Ω
3200 Ω	3199.0 Ω to 3201.0 Ω	3199.9 Ω	0.048 Ω