

# Manual Supplement

Manual Title:	7526A Calibration	Supplement Issue:	<b>3</b>
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This supplement contains information necessary to ensure the accuracy of the above manual.

## Change #1, 568

On page 4, under **Specifications** replace, **Safety** and **EMC** with:

- Safety**..... IEC 61010-1: Overvoltage Category II, Pollution Degree 2
- Electromagnetic Compatibility**.... IEC 61326-1: **Controlled** Electromagnetic Environment; IEC 61326-2-1 for controlled EM environments except when used in the following conditions:
  - In electromagnetic fields from 0.08-2.7 GHz in excess of 1V/m.
  - When subjected to electrostatic discharge (ESD) to the binding posts. Good static awareness practices should be followed when handling this product such as discharging any built up static charge to the product chassis prior to handling terminals or test connections.
  - When the product is used with data I/O cables in excess of 3 m.
  - Radio Frequency Emissions... IEC CISPR 11: Group 1, Class A.
    - Group 1 have intentionally generated and/or use conductively coupled radio-frequency energy which is necessary for the internal functioning of the equipment itself.
    - Class A equipment is suitable for use in non-domestic locations and/or directly connected to a low-voltage power supply network.
    - Class A equipment may have potential difficulties in ensuring electromagnetic compatibility in other environments, due to conducted as well as radiated disturbances.

On page 5, replace the **DC Voltage Specifications, Isolated Input** table with:

### DC Voltage Specifications, Isolated Input

Ranges	Absolute Uncertainty, tcal ±5 °C, ±(ppm of reading + mV)		Resolution
0 V to 10.0000 V	100	0.2	100 µV
0 V to 100.000 V	100	2.0	1 mV

## Change #2, 591

On page 23, replace Table 9 with:

Table 1. Isolated DC Voltage

Range	Nominal Value	Measured Value	Deviation %	Specification
10.0 V	0 V			0.0002 V
	2.5 V			0.0005 V
	5 V			0.0007 V
	7.5 V			0.0010 V
	10 V			0.0012 V
100.0 V	0 V			0.002 V
	25 V			0.005 V
	50 V			0.007 V
	75 V			0.010 V
	100 V			0.012 V

**Change #3, 604**

On page 6, replace the **Thermocouple Specification, Output and Input** table with:

TC Type	Range (°C)		Absolute Uncertainty, tcal ±5 °C, ±(°C) [1]	
			Output/Input	
	Minimum	Maximum	90 days	1 Year
B	600 °C	800 °C	0.35 °C	0.35 °C
	800 °C	1550 °C	0.28 °C	0.28 °C
	1550 °C	1820 °C	0.21 °C	0.22 °C
C	0 °C	1000 °C	0.15 °C	0.16 °C
	1000 °C	1800 °C	0.22 °C	0.23 °C
	1800 °C	2000 °C	0.24 °C	0.26 °C
	2000 °C	2316 °C	0.32 °C	0.35 °C
E	-250 °C	-200 °C	0.38 °C	0.49 °C
	-200 °C	-100 °C	0.15 °C	0.19 °C
	-100 °C	0 °C	0.07 °C	0.09 °C
	0 °C	600 °C	0.06 °C	0.08 °C
	600 °C	1000 °C	0.08 °C	0.10 °C
J	-210 °C	-100 °C	0.17 °C	0.22 °C
	-100 °C	800 °C	0.07 °C	0.09 °C
	800 °C	1200 °C	0.08 °C	0.10 °C
K	-250 °C	-200 °C	0.59 °C	0.72 °C
	-200 °C	-100 °C	0.19 °C	0.23 °C
	-100 °C	500 °C	0.08 °C	0.10 °C
	500 °C	800 °C	0.09 °C	0.10 °C
	800 °C	1372 °C	0.11 °C	0.13 °C
L	-200 °C	-100 °C	0.15 °C	0.19 °C
	-100 °C	900 °C	0.07 °C	0.09 °C
N	-250 °C	-200 °C	0.83 °C	0.94 °C
	-200 °C	-100 °C	0.24 °C	0.28 °C
	-100 °C	0 °C	0.11 °C	0.12 °C
	0 °C	100 °C	0.09 °C	0.11 °C
	100 °C	800 °C	0.08 °C	0.10 °C
	800 °C	1300 °C	0.10 °C	0.12 °C
R	-50 °C	-25 °C	0.54 °C	0.55 °C
	-25 °C	0 °C	0.44 °C	0.45 °C
	0 °C	100 °C	0.38 °C	0.39 °C
	100 °C	400 °C	0.27 °C	0.28 °C
	400 °C	600 °C	0.21 °C	0.22 °C
	600 °C	1000 °C	0.19 °C	0.21 °C
	1000 °C	1600 °C	0.18 °C	0.19 °C
	1600 °C	1767 °C	0.21 °C	0.23 °C
S	-50 °C	-25 °C	0.51 °C	0.51 °C
	-25 °C	0 °C	0.43 °C	0.43 °C
	0 °C	100 °C	0.37 °C	0.38 °C
	100 °C	400 °C	0.28 °C	0.29 °C
	400 °C	600 °C	0.22 °C	0.23 °C
	600 °C	1000 °C	0.21 °C	0.22 °C
	1000 °C	1600 °C	0.20 °C	0.22 °C
	1600 °C	1767 °C	0.24 °C	0.26 °C
T	-250 °C	-200 °C	0.45 °C	0.55 °C
	-200 °C	-100 °C	0.18 °C	0.22 °C
	-100 °C	0 °C	0.09 °C	0.11 °C
	0 °C	200 °C	0.07 °C	0.09 °C
	200 °C	400 °C	0.06 °C	0.09 °C
U	-200 °C	0 °C	0.19 °C	0.23 °C
	0 °C	200 °C	0.08 °C	0.10 °C
	200 °C	600 °C	0.07 °C	0.10 °C
XK	-200 °C	-100 °C	0.15 °C	0.19 °C
	-100 °C	0 °C	0.07 °C	0.09 °C
	0 °C	600 °C	0.06 °C	0.08 °C
	600 °C	800 °C	0.07 °C	0.09 °C
BP	0 °C	200 °C	0.17 °C	0.18 °C
	200 °C	600 °C	0.14 °C	0.16 °C
	600 °C	800 °C	0.15 °C	0.17 °C
	800 °C	1600 °C	0.22 °C	0.23 °C
	1600 °C	2000 °C	0.26 °C	0.28 °C
	2000 °C	2500 °C	0.38 °C	0.40 °C

[1] Does not include thermocouple wire error.  
 Type B, E, J, K, N, R, S and T are based on ITS-90  
 Type L and U are based on DIN 43710-1985  
 Type C is based on ASTM standard E 988-96  
 Type XK and BP are based on GOST R 8.585-2001