

Manual Supplement

Manual Title: 7526A Users
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This supplement contains information necessary to ensure the accuracy of the above manual. This manual is distributed as an electronic manual on the following CD-ROM:

CD Title: 7526A
CD Rev. & Date: 8/2012
CD PN: 4181286

Change #1, 62467, 379

On page 1-18, under **Specifications** replace, **Electromagnetic Compatibility**, and **Safety** 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.

Change #2

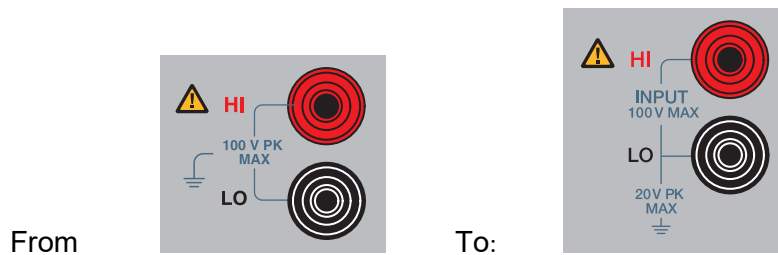
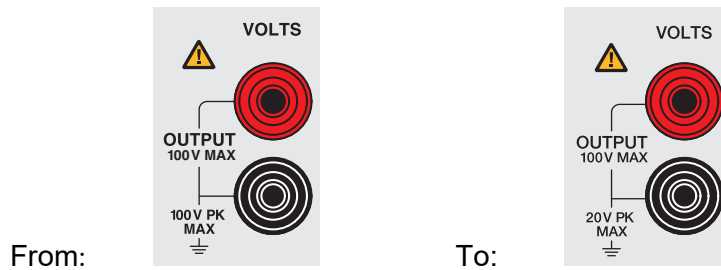
On page 1-8, replace footnote [2], and delete footnote [3]:

- [2] **⚠⚠ Warning: To prevent possible electrical shock, fire, or personal injury, do not exceed a maximum of 20 V peak to chassis ground.**

On page 1-13, replace footnote [2], with:

- [2] **⚠⚠ Warning: To prevent possible electrical shock, fire, or personal injury, do not exceed a maximum of 20 V peak to chassis ground.**

Throughout the manual, change all **Front Panel** figures:



Change #3, 62958

On page 1-20, under **Resistance Specifications, Output**, change Ranges:

From: 5 kΩ to 4.00000 kΩ

To: 5 Ω to 4.00000 kΩ

On page 4-18, under item 10, replace the second Figure #gwp069.eps with:



gwp069.eps

Change #4, 377

On page 1-22, under **RTD and Thermistor Specification, Output**, change Range °C Pt 385, 100 Ω:

From: -200 °C to -800 °C

To: -200 °C to 800 °C

Change 5, 422

On page 6-3, Table 6-1, replace the TST? row with:

*TST?	Does a series of self-tests and shows a "1" for pass or a "0" for fail. If faults are found, they are put into the fault queue where they can be read by the FAULT? query.
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Change #6, 570

On page 1-19, replace the **DC Voltage Specifications, Isolated Input** table with:

DC Voltage Specifications, Isolated Input

Ranges	Absolute Uncertainty, tcal $\pm 5^\circ\text{C}$, $\pm(\text{ppm of reading} + \text{mV})$		Resolution
0 V to 10.0000 V	100	0.2	100 μV
0 V to 100.000 V	100	2.0	1 mV

Change #7, 604

On page 1-21, replace the **Thermocouple Specification, Output and Input** table with:

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

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			