

Manual Supplement

Manual Title:	9100S Users Guide	Supplement Issue:	3
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This supplement contains information necessary to ensure the accuracy of the above manual.

FLUKE®

Calibration

Change #1, 409

On page 38, under **9.2.1 Compute DELTA**:

From: $E = R_3 - T_2$


To: $E = R_3 - R_2$

From: $F = R_2 - T_1$

To: $F = R_2 - R_1$

Change #2, 383

On page 2, add:

	Conforms to relevant South Korean EMC Standards.
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On page 9, under **Specifications**, add:

Electromagnetic Compatibility (EMC)	IEC 61326-1, Electromagnetic Environment: Portable Korea (KCC) Class A Equipment (Industrial Broadcasting & Communication Equipment) This product meets requirements for industrial (Class A) electromagnetic wave equipment and the seller or user should take notice of it. This equipment is intended for use in business environments and not to be used in homes.
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Change #3, 542

On page 11, under **3.1 Unpacking**, delete the 5th bullet.

Change #4, 566

On page 3, under **General**, replace the 6th bullet with:

Before the instrument can be assumed to meet all of the safety requirements of the IEC 61010-1, the instrument needs to be energized for a “dry-out” period of 2 hours when any of these conditions have occurred:

- Before initial use
- After transport
- After storage in humid or semi-humid environments
- Any time the dry-well has not been energized for more than 10 days

If the instrument is used elsewhere is wet or has been in a wet environment, take necessary measures to remove moisture prior to applying power. For example, storage in a low-humidity temperature chamber operating at 50 ° centigrade for 4 hours or more.

On page 9, replace the **2.1 Specifications** section with:

2.1 Specifications

Range	35 °C to 375 °C (95 °F to 707 °F)
Accuracy	±0.25 °C at 50 °C ±0.25 °C at 100 °C ±0.5 °C at 375 °C
Stability	±0.07 °C at 50 °C ±0.1 °C at 100 °C ±0.3 °C at 375 °C
Resolution	0.1 °C or °F
Well-to-Well Uniformity	±0.2 °C with sensors of similar size at equal depths within wells
Heating Times	35 to 375 °C (95 °F to 707 °F): 9.5 minutes
Stabilization	5 minutes
Cooling Times	375 to 100 °C (707 °F to 212 °F): 14 minutes
Well Depth	102 mm (4 inches) 1.6 mm, (1/16 inches) hole is 89 mm, (3.5 inches) deep
Fixed Block Options	See the "Constant Temperature Block Assembly" section
Power	115 VAC (±10 %), 55 to 65 Hz, 1.5 A or 230 VAC (±10 %), 0.8 A, 45 to 55 Hz, 175 W
Size	57 mm H×125 mm W×150 mm D (2.25 inches×4.9 inches×6.1 inches)
Weight	1.08 kg (2 lb. 3 oz)
Safety	IEC 61010-1, IEC 61010-2-010 Overvoltage Category II, Pollution Degree 2, Indoor use only, Electromagnetic compatibility(EMC): IEC 61326-1: Basic Electromagnetic Environment CISPR 11: Group 1, Class A <i>Group 1: Equipment has intentionally generated and/or uses conductively-coupled radio frequency energy that is necessary for the internal function of the equipment itself.</i> <i>Class A: Equipment is suitable for use in all establishments other than domestic and those directly connected to a low-voltage power supply network that supplies buildings used for domestic purposes. There may be potential difficulties in ensuring electromagnetic compatibility in other environments due to conducted and radiated disturbances.</i> <i>Caution: This equipment is not intended for use in residential environments and may not provide adequate protection to radio reception in such environments.</i> USA (FCC)47 CFR 15 subpart B. This product is considered an exempt device per clause 15.103. USA (FCC)47 CFR 15 Intentional Radiators: This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. (15.19). Changes or modifications not expressly approved by Fluke could void the user's authority to operate the equipment. (15.21)
Fault Protection	Sensor burnout protection, over-temperature cutout, and electrical fuses
Fuse Rating	FF 3 A, 250V (very fast acting) NO USER SERVICEABLE PARTS

Under **2.2 Environmental Conditions**, replace the 2nd bullet with:

- ambient relative humidity: 15 to 50% rh

On page 44, remove **11.2**, **11.2.1** and **11.2.2** sections.