

TECHNICAL DATA

Fluke Calibration 9100S Handheld Dry-Well



Key features

- Temperature ranges from -10°C to 375°C .
- Accuracy to $\pm 0.25^{\circ}\text{C}$, with stability of $\pm 0.05^{\circ}\text{C}$ at 0°C .
- Equipped with an RS-232 interface for connectivity.

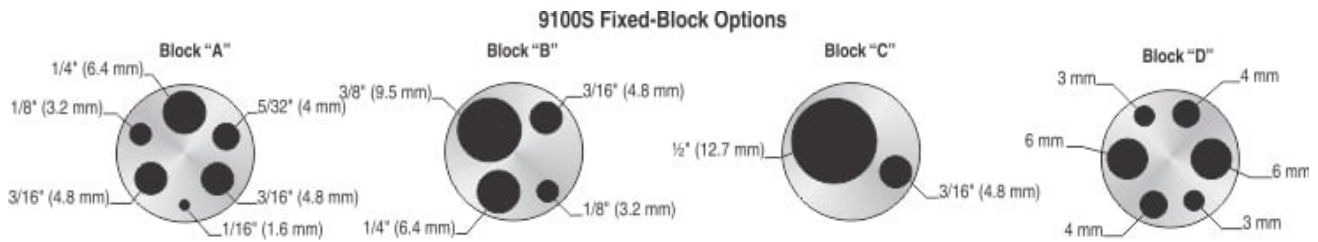
Product overview: Fluke Calibration 9100S Handheld Dry-Well

9100S Dry-Well

Since we introduced the world's first truly handheld dry-well, many have tried to duplicate it—in vain. Despite its small size (2¼ inches high and 5 inches wide) and light weight, the 9100S outperforms every dry-well in its class in the world.

It's simple and convenient, too. Anyone can learn to use one in less than 15 minutes. It has a range to 375°C (707°F) and is perfect for checking RTDs, thermocouples, and small bimetal thermometers in the field.

Plug it in, switch it on, set the temperature with the front-panel buttons, and insert your probe into the properly sized well. Compare the reading of your device to the display temperature or to an external reference, and the difference is the error in your device. With a proprietary Fluke Calibration temperature controller, the 9100S has a display resolution of 0.1 degrees, an accuracy of $\pm 0.5^{\circ}\text{C}$, a stability of $\pm 0.1^{\circ}\text{C}$, and a stabilization time of just five minutes.



Specifications: Fluke Calibration 9100S Handheld Dry-Well

Specifications	9100S	9102S
Range	35u00b0C to 375u00b0C (95u00b0F to 707u00b0F)	u201310u00b0C to 122u00b0C (14u00b0F to 252u00b0F) at 23u00b0C ambient
Accuracy	u00b10.25u00b0C at 50u00b0C; u00b10.25u00b0C at 100u00b0C; u00b10.5u00b0C at 375u00b0C	u00b10.25u00b0C
Stability	u00b10.07u00b0C at 50u00b0C; u00b10.1u00b0C at 100u00b0C; u00b10.3u00b0C at 375u00b0C	u00b10.05u00b0C
Well-to-well uniformity	u00b10.2u00b0C with sensors of similar size at equal depths within wells	
Heating times	35u00b0C to 375u00b0C: 9.5 minutes	Ambient to 100u00b0C: 10 minutes
Stabilization	5 minutes	7 minutes
Cooling times	375u00b0C to 100u00b0C: 14 minutes	Ambient to 0u00b0C: 10 minutes
Well depth	102 mm (4 in); 1.6 mm (1/16 in) hole is 89 mm (3.5 in) deep	102 mm (4 in)
Removable inserts	N/A	Available in sizes from 1.6 mm (1/16 in) to 11.1 mm (7/16 in) [6.4 mm (1/4 in) and 4.8 mm (3/16 in) included]
Power	115 V AC (u00b110%), 55u201365 Hz, 1.5 A or 230 V AC (u00b110%), 0.8 A, 45u201355 Hz, 175 W	94-234 V AC (u00b110%), 50/60 Hz, 60 W; or 12 V DC
Size (H x W x D)	57 x 125 x 150 mm (2.25 x 4.9 x 6.1 in)	99 x 140 x 175 mm (3.9 x 5.5 x 6.9 in)
Weight	1 kg (2 lb 3 oz)	1.8 kg (4 lb)
Computer interface	RS-232 included	
NIST-traceable calibration	Data at 50u00b0C, 100u00b0C, 150u00b0C, 200u00b0C, 250u00b0C, 300u00b0C and 375u00b0C	Data at u201310u00b0C, 0u00b0C, 25 u00b0C, 50u00b0C, 75 u00b0C, 100u00b0C and 122u00b0C

Ordering information



9100S-A

Fluke Calibration 9100S-A Handheld Dry-Well
HDRC Handheld Dry-Well A

For 9100S with other inserts below, please visit request a quote.

9100S-B

Fluke Calibration 9100S-B Handheld Dry-Well
HDRC Handheld Dry-Well B

9100S-C

Fluke Calibration 9100S-C Handheld Dry-Well
HDRC Handheld Dry-Well C

9100S-D

Fluke Calibration 9100S-D Handheld Dry-Well
HDRC Handheld Dry-Well D



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