

HANDHELD DRY-WELLS



Handheld Dry-Well

Models 9100S

- Smallest dry-wells in the world
- Proprietary Hart Scientific controller
- Accuracy to $\pm 0.25^{\circ}\text{C}$, stability of $\pm 0.05^{\circ}\text{C}$ at 0°C
- RS-232 interface with Hart Interface-*it* software

Hart's line of portable dry-wells is incredible. They're the smallest, lightest, and most portable dry-wells in the world. And now they're better than ever!

Model 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 Hart Scientific temperature controller, the 9100S has a display resolution of 0.1 degrees. Display accuracy ranges from $\pm 0.25^{\circ}\text{C}$ to $\pm 0.5^{\circ}\text{C}$ and stability ranges from $\pm 0.07^{\circ}\text{C}$ to $\pm 0.3^{\circ}\text{C}$, depending on set-point temperature.



Take the 9100S anywhere. It's the smallest dry-well in the world.



Model 9102S shown with battery pack, which includes a battery, carrying bag, cables, and charger.

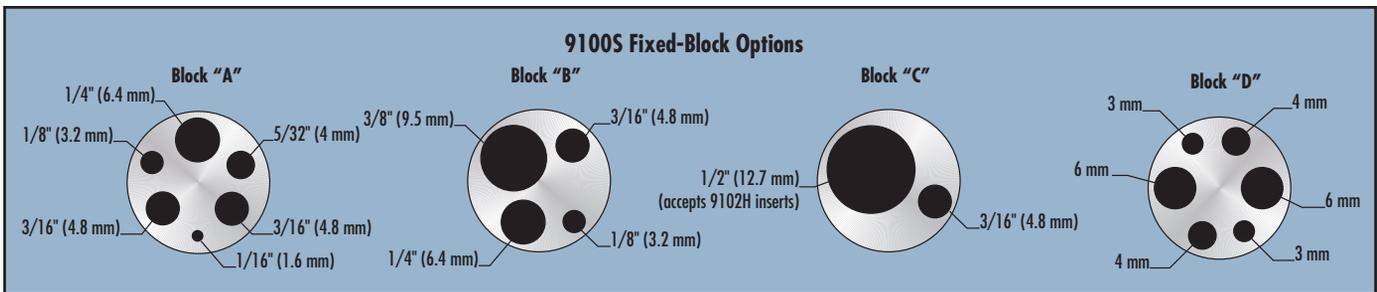


Don't forget a protective case!



Have you considered a good reference thermometer? See page 36.

Specifications		9100S
Range		35°C to 375°C (95°F to 707°F)
Accuracy		$\pm 0.25^{\circ}\text{C}$ at 50°C ; $\pm 0.25^{\circ}\text{C}$ at 100°C ; $\pm 0.5^{\circ}\text{C}$ at 375°C
Stability		$\pm 0.07^{\circ}\text{C}$ at 50°C ; $\pm 0.1^{\circ}\text{C}$ at 100°C ; $\pm 0.3^{\circ}\text{C}$ at 375°C
Well-to-Well Uniformity		$\pm 0.2^{\circ}\text{C}$ with sensors of similar size at equal depths within wells
Heating Times		ambient to 375°C : 9.5 minutes
Stabilization		5 minutes
Cooling Times		375°C to 100°C : 14 minutes
Well Depth		4 inches (102 mm); $1/16$ " (1.6 mm) hole is 3.5" (89 mm) deep
Removable Inserts		N/A
Power		115 VAC ($\pm 10\%$), 1.5 A or 230 VAC ($\pm 10\%$), 0.8 A, specify, 50/60 Hz, 175 W
Size		2.25" H x 4.9" W x 5.9" D (57 x 125 x 150 mm)
Weight		2 lb. 3 oz. (1 kg)
Computer Interface		RS-232 included with free Interface- <i>it</i> software
NIST-Traceable Calibration		Data at 50°C , 100°C , 150°C , 200°C , 250°C , 300°C , and 375°C



9100S fixed-block options. Order number 9100S-A, 9100S-B, 9100S-C, or 9100S-D for the desired block option.

Ordering Information - 9100S

9100S-A	HDRC Micro-Block A
9100S-B	HDRC Micro-Block B
9100S-C	HDRC Micro-Block C
9100S-D	HDRC Micro-Block D
9300	Rugged Carrying Case



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