

9100S and 9102S Handheld Dry-Well Calibrators

The smallest, lightest and most portable dry-wells in the world



- Temperature ranges from $-10\text{ }^{\circ}\text{C}$ to $375\text{ }^{\circ}\text{C}$
- Stability during calibrations to $\pm 0.05\text{ }^{\circ}\text{C}$
- Fast and easy calibrations of RTDs and thermocouples
- Includes RS-232 interface, Interface-it software

Despite its small size (6 cm high and 13 cm wide) and light weight, the 9100S outperforms every dry-well in its class. It's simple and convenient, too. It has a range to $375\text{ }^{\circ}\text{C}$ and is perfect for checking RTDs, thermocouples, and small bimetal thermometers in the field. For work in the temperature range of $-10\text{ }^{\circ}\text{C}$ to $122\text{ }^{\circ}\text{C}$, Hart's Model 9102S dry-well is another first in the industry, featuring stability to $\pm 0.05\text{ }^{\circ}\text{C}$. This dry-well is only 10 cm high and 15 cm wide, achieves temperatures as low as $-10\text{ }^{\circ}\text{C}$, includes a NIST-traceable calibration, and is stable to $\pm 0.05\text{ }^{\circ}\text{C}$.

Ordering Information

Models

- 9100S-A-256 Dry-Well, Block A
- 9100S-B-256 Dry-Well, Block B
- 9100S-D-256 Dry-Well, Block D
- 9102S-256 Dry-Well, $-10\text{ }^{\circ}\text{C}$ to $122\text{ }^{\circ}\text{C}$ (2 Wells)*

Options & Accessories

- 9300 Rugged Carrying Case, 9100S
- 9308 Hard Carrying Case, 9102
- 9320-256 Battery Pack, 9102S*
- 3102-1 Insert, Al 1.6 mm (9102)
- 3102-2 Insert, Al 3.2 mm (9102)
- 3102-3 Insert, Al 4.8 mm (9102)
- 3102-4 Insert, Al 6.4 mm (Standard, 9102)
- 3102-6 Insert, Al 9.5 mm (Standard, 9102)

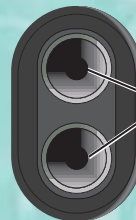
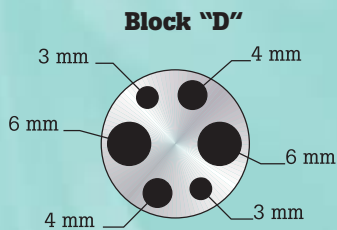
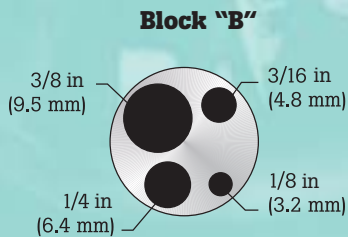
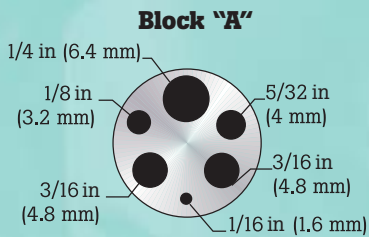
*256 Blocks are 220 V 50/60 Hz

Summary specifications 9100S and 9102S

	9100S	9102S
Range	35 °C to 375 °C	-10 °C to 122 °C at 23 °C ambient
Accuracy	± 0.25 °C at 50 °C ± 0.25 °C at 100 °C ± 0.5 °C at 375 °C	± 0.25 °C
Stability	± 0.07 °C at 50 °C ± 0.1 °C at 100 °C ± 0.3 °C at 375 °C	± 0.05 °C
Well-to-well uniformity	± 0.2 °C with sensors of similar size at equal depths within wells	
Stabilization	5 minutes	7 minutes
Well depth	4 in (102 mm); 1/16 in (1.6 mm) hole is 3.5 in (89 mm) deep	4 in (102 mm)
Removable inserts	N/A	Standard: 1/4 in (6.4 mm), 3/16 in (4.8 mm) Optional: Available in sizes from 1/16 in to 7/16 in
Power	230 VAC (± 10 %) 0.8 A, specify, 50/60 Hz, 175 W	94-234 V ac (± 10 %), 50/60 Hz, 60 W; or 12 V dc
Size H x W x D	57 x 125 x 150 mm	99 x 140 x 175 mm
Weight	1 kg	1.8 kg
NIST-traceable calibration	Data at 50 °C, 100 °C, 150 °C, 200 °C, 250 °C, 300 °C and 375 °C	Data at -10 °C, 0 °C, 25 °C, 50 °C, 75 °C, 100 °C and 122 °C

9100S Fixed-Block Options

9102S Calibration Wells



Removable insert sleeves
1/2 in O.D. x 4 in deep
(13 mm x 102 mm)