

TECHNICAL DATA

# Fluke Calibration 9102S Handheld Dry-Well



## Key features

World's smallest, lightest and most portable dry-wells

- Smallest dry-wells in the world
- Ranges from  $-10^{\circ}\text{C}$  to  $122^{\circ}\text{C}$
- Accuracy to  $\pm 0.25^{\circ}\text{C}$ , stability of  $\pm 0.05^{\circ}\text{C}$
- RS-232 interface
- Fluke Calibration'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!

## Product overview: Fluke Calibration 9102S Handheld Dry-Well

### 9102S Dry-Well

For work in the temperature range of  $-10^{\circ}\text{C}$  to  $122^{\circ}\text{C}$ , 9102S dry-well is another first in the industry, featuring stability to  $\pm 0.05^{\circ}\text{C}$ .

This dry-well is only four inches high and six inches wide, achieves temperatures as low as  $-10^{\circ}\text{C}$ , includes a NIST-traceable calibration, and is stable to  $\pm 0.05^{\circ}\text{C}$ . The Model 9102S is excellent for dial gauges, digital thermometers, bulb switches, and other sensors that need calibration below ambient.

The 9102S has two wells so you can use one for a reference thermometer to increase accuracy. Both wells are 1/2 inch in diameter, and each has inserts available for almost any sensor size. The 9102S also has a battery pack option that gives you approximately four hours of field use when AC power is unavailable.

## Specifications: Fluke Calibration 9102S Handheld Dry-Well

Specifications	9100S	9102S
<b>Range</b>	35 °C to 375 °C (95 °F to 707 °F)	-10 °C to 122 °C (14 °F to 252 °F) at 23 °C ambient
<b>Accuracy</b>	± 0.25 °C at 50 °C; ± 0.25 °C at 100 °C; ± 0.5 °C at 375 °C	± 0.25 °C
<b>Stability</b>	± 0.07 °C at 50 °C; ± 0.1 °C at 100 °C; ± 0.3 °C at 375 °C	± 0.05 °C
<b>Well-to-Well Uniformity</b>	± 0.2 °C with sensors of similar size at equal depths within wells	
<b>Heating Times</b>	35 °C to 375 °C: 9.5 minutes	ambient to 100 °C: 10 minutes
<b>Stabilization</b>	5 minutes	7 minutes
<b>Cooling Times</b>	375 °C to 100 °C: 14 minutes	ambient to 0 °C: 10 minutes
<b>Well Depth</b>	102 mm (4 in); 1.6 mm (1/16 in) hole is 89 mm (3.5 in) deep	102 mm (4 in)
<b>Removable Inserts</b>	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]
<b>Power</b>	115 V ac (± 10 %), 55–65 Hz, 1.5 A or 230 V ac (± 10 %), 0.8 A, 45–55 Hz, 175 W	94–234 V ac (± 10 %), 50/60 Hz, 60 W; or 12 VDC
<b>Size (HxWxD)</b>	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)
<b>Weight</b>	1 kg (2 lb 3 oz)	1.8 kg (4 lb)
<b>Computer Interface</b>	RS-232 included	
<b>NIST-Traceable Calibration</b>	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

## Ordering information



### **Fluke 9102S-156**

9102S-156, DRY-WELL, HH LOW-TEMP

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08/2023

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