

Dry-block product comparison

	Good accuracy					Better accuracy				Best accuracy			
	Field Dry-Well					Field Metrology Wells				Metrology Wells			
	9100S Handheld	9102S Handheld	9009 Dual-Block	9103	9140	9142	9143	9144	9190A	9170	9171	9172	9173
Size													
Height x width x depth	2.25 in x 4.9 in x 6.1 in	3.9 in x 5.5 in x 6.9 in	7 in x 10.5 in x 9.8 in	5.6 in x 10.3 in x 9.6 in	6 in x 3.4 in x 7.8 in	11.4 in x 7.3 in x 11.6 in	11.4 in x 7.3 in x 11.6 in	11.4 in x 7.3 in x 11.6 in	14.9 in x 8.0 in x 18.8 in	14.4 in x 8 in x 12.7 in	14.4 in x 8 x 12.7 in	14.4 in x 8 in x 12.7 in	14.4 in x 8 in x 12.7 in
Weight	2 lb 3 oz	4 lb	10 lb	12 lb	6 lb	18 lb	16 lb	17 lb	35 lb	31.5 lb	33 lb	29 lb	33 lb
Sensors being calibrated													
RTDs													
Thermocouples													
Dial thermometers													
Thermistors													
Temperature transmitters													
Temperature switches													
Dry-Block temperature range													
700 °C (1292 °F)													
660 °C (1220 °F)													
425 °C (797 °F)													
375 °C (707 °F)													
350 °C (662 °F)													
155 °C (311 °F)													
150 °C (302 °F)													
140 °C (284 °F)													
122 °C (252 °F)													
50 °C (122 °F)													
35 °C (95 °F)													
33 °C (91 °F)													
-10 °C (14 °F)													
-15 °C (5 °F)													
-25 °C (-13 °F)													
-30 °C (-22 °F)													
-45 °C (-49 °F)													
-95 °C (-139 °F)													
Accuracy													
Dry-Block (See note 1)	± 0.25 °C at 50 °C ± 0.25 °C at 100 °C ± 0.5 °C at 375 °C	± 0.25 °C	Cold block: ± 0.2 °C Hot block: ± 0.6 °C	± 0.25 °C	± 0.5 °C	± 0.2 °C	± 0.2 °C	± 0.35 °C at 50 °C ± 0.35 °C at 420 °C ± 0.5 °C at 660 °C	± 0.2 °C	± 0.1 °C	± 0.1 °C	± 0.1 °C at 100 °C ± 0.15 °C at 225 °C ± 0.2 °C at 425 °C	± 0.2 °C at 425 °C ± 0.25 °C at 660 °C
Dry-Block with Reference PRT (See Note 2)	N/A	N/A	N/A	N/A	N/A	5609 Reference PRT			5609 Reference PRT				
						± 0.04 °C	± 0.06 °C	± 0.04 °C at 50 °C ± 0.08 °C at 420 °C ± 0.15 °C at 660 °C	± 0.04 °C	± 0.02 °C	± 0.02 °C	± 0.03 °C at 100 °C ± 0.04 °C at 225 °C ± 0.05 °C at 425 °C	± 0.05 °C at 425 °C ± 0.08 °C at 660 °C
Dry-Block with Reference PRT and 1523 Readout (See Note 3)	5615 Reference PRT					5609 Reference PRT			5609 Reference PRT				
	± 0.23 °C at 50 °C ± 0.23 °C at 100 °C ± 0.23 °C at 375 °C	± 0.23 °C	Cold block: ± 0.12 °C Hot block: ± 0.12 °C	± 0.12 °C	± 0.13 °C	± 0.03 °C	± 0.06 °C	± 0.04 °C at 50 °C ± 0.08 °C at 420 °C ± 0.14 °C at 660 °C	± 0.03 °C	± 0.03 °C	± 0.03 °C	± 0.04 °C at 100 °C ± 0.05 °C at 225 °C ± 0.06 °C at 425 °C	± 0.06 °C at 425 °C ± 0.09 °C at 660 °C

Notes:

1. Display accuracy includes long-term drift, calibration, non-uniformity and stability.
2. The Process Electronics (-P) version is required to connect an external reference PRT to 914X Field Metrology Wells.
The Built-in Reference (-R) version is required to connect an external reference PRT to 917X Metrology Wells.
3. Accuracy includes readout 1-year accuracy, reference PRT 1-year accuracy, and dry-block non-uniformity.