

Portable Calibration Baths

Models 9100 and 9102

The smallest portable dry baths in the world!
Great to validate thermocouple and RTD probes and small bimetal thermometers.



- Choice of 4 fixed wells with holes for the 9100
Block A : 1/4", 1/8", 3/16", 1/16", 3/16", 5/32"
Block B : 3/8", 1/4", 1/8", 3/16"
Block C : 1/2" and 3/16"
Block D : 2 of each : 3, 4 and 6 mm
- Choice of interchangeable wells for the 9102:
from 1/16" to 7/16" (1/4" and 3/16" included with purchase)

	9100	9102
Range	35 to 300° C (95 to 572° F)	-10 to 122° C (14 to 252° F)
Accuracy	±0.5° C (up to 200° C) ±1° C (up to 300° C) (±2° C for holes bigger than 1/4" dia)	±0.5° C (up to 100° C) ±1.0° C (100 to 122° C)
Depth of wells	4" (102 mm) except for 1/16" : 3.5" (89 mm)	4" (102 mm)
Supply	115 Vac or 230 Vac	94 to 234 Vac or 12 Vdc
Dimensions	2.25" x 4.9" x 5.9"	3.9" x 5.5" x 6.9"

Code	Description	Price
9100S-x-156 , where x = A, B, C, D	Portable dry bath with NIST certificate in 6 points and choice of fixed well	\$ 2117
HT9300	Hard carrying case for 9100S	\$ 102
HT9308	Carrying case for 9102S	\$ 189
HT9102	Portable dry bath with NIST certificate in 6 points and 1/4" and 3/16" wells	\$ 3455

DICKSON

Humidity-Temperature Data Logger

Model TP120

- Accuracy of ±2% RH and ±1° C (1.8° F)
- Memory : 32512 combined readings
- Range from 0 to 95% RH, temperature -40/176° F, -40/80° C
- Variable sample rate from 10 sec to 24 hours, in 10 sec increments
- Battery life : 5 years
- Dimensions 3.1" x 2.1" x 0.9"



Code	Description	Price
TP120	Humidity-temperature data logger	\$ 305
A015	DicksonWare program with cable	\$ 125

DICKSON Humidity-Temperature Data Loggers

Models TM320 and TM325

- Range of 0 to 95% RH, temperature -4/158° C, -20/70° C (-40/185° F and -40/85° C with the TM325)
- Accuracy of ±2%RH and ±1° C (1.8° F)
- Digital display 2.0" x 1.375"
- Memory : 32000 readings (16000 per channel), SD Flash memory card
- Variable sample rate from 10 sec to 24 hours, 10 sec increments
- Audible alarm
- Batteries AA (4) or CA adapter (not included)
- Dimensions 4" x 3" x 1.5"



Code	Description	Price
SM300	Temperature data logger only (thermistor)	\$ 449
SM320	Temperature data logger only, one input Type K thermocouple (2000° F, 1093° C)	\$ 539
SM325	Temperature data logger only, two inputs Type K thermocouple (2000° F, 1093° C)	\$ 719
TM320	Humidity-temperature data logger	\$ 539
TM325	Humidity-temperature data logger with external probe	\$ 719
A015	DicksonWare program with serial cable	\$ 125
A016	DicksonWare program with USB cable	\$ 125
A210	FLASH memory card	\$ 108
A220	Memory card reader	\$ 233
A025	Dicksonware Secure Software with RS232 cable	\$ 359
A026	Dicksonware Secure Software with USB cable	\$ 359

High Accuracy Digital Thermometers

Model 1521

- Accuracy of ±0.025° C for RTD probes or up to ±0.005° C with thermistor probes
- Smart connector with integrated calibration curve, therefore the probes are interchangeable!
- Functions : min, max, 6 reading memory, delta (differential between reference value and reading)
- Resolution 0.001°
- RS232 communication
- Complete with 6 points NIST certificate



Measure and Precision Ranges

Range Pt25 to Pt100	Thermistor
-200 to 100° C : ±0.025° C	0 to 50° C : ±0.005° C
-100 to 400° C : ±0.05° C	50 to 75° C : ±0.01° C
400 to 800° C : ±0.1° C	75 to 100° C : ±0.02° C
800 to 962° C : ±0.15° C	

Code	Description	Price
HT1521-156	Digital thermometer with rechargeable batteries, AC adapter/charge, RS232 cable and NIST certificate	\$ 1661
HT1522-156	Digital thermometer with data logging capabilities (10,000 readings), rechargeable batteries, AC adapter/charge, RS232 cable and NIST certificate	\$ 2243
HT9318	Hard carrying case for thermometer and 9" probe	\$ 291
5627-6-I	RTD probe 100 ohms 4 wires, -200 to 300° C, 3/16" x 6", ±0.03° C	\$ 748
5627-9-I	RTD probe 100 ohms 4 wires, -200 to 500° C, 3/16" x 9", ±0.03° C	\$ 748
5627-12-I	RTD probe 100 ohms 4 wires, -200 to 500° C, 1/4" x 12", ±0.03° C	\$ 748
5614-I	RTD probe 100 ohms 4 wires, -200 to 500° C, 1/4" x 12", ±0.018° C	\$ 1141
5626-I	RTD probe 100 ohms 4 wires, -200 to 660° C, 1/4" x 12", ±0.005° C	\$ 2511
5610-9-I	Thermistor probe 10K ohm, 0 to 110° C, 1/8" x 9", ±0.01° C	\$ 889



High Accuracy Digital Thermometers

Model 1502A

- Accuracy ±0.006° C to 0° C, ±0.018° C to 400° C
- Can be used as a laboratory reference or on the field
- Range from -200 to 962° C (-328 to 1764° F), 0 to 400 ohms
- Resolution 0.001° or 0.0001 ohm
- For 4-wire RTD probes as per ITS-90, IPTS68 and CVD calibration curves
- RS232 communication
- Supply 115 or 230Vac (rechargeable battery module optional)
- Complete with NIST certificate

Accuracy in temperature

±0.006° C to 0° C
±0.009° C to 100° C
±0.012° C to 200° C
±0.018° C to 400° C
±0.024° C to 600° C



Code	Description	Price
1502A-156	RTD thermometer, 115 to 230 Vac	\$ 2511
5626-S	RTD probe 100 ohms 4 wires, -200 to 660° C, 1/4" x 12", ±0.005° C	\$ 2511
5614-S	RTD probe 100 ohms 4 wires, -200 to 500° C, 1/4" x 12", ±0.018° C	\$ 1141