

Portable Temperature Test Unit

Model 903

The Isotech Portable Temperature Test Unit is a model designed specifically for ease of use and for on site application where a small, light, portable unit is required. The 903 reaches its maximum temperature of 650°C in 20 minutes and features a best accuracy of 0.5°C. The unit is economically priced yet sturdy and rugged, eliminating the need for a separate carrying case.

The 903 is available in two models, the SITE model, which has both a controller and a built in indicator for use with type 'N' thermocouples, and the BASIC model, which has only the controller. The unit features a shutter device on the front panel to protect the user from heated inserts falling out whilst the unit is being moved or carried, and an internal fan to aid in the cooling of the block.


An optional cooling accessory is available which connections for an air supply and speeds up the cooling of the unit. The calibration volume is 25mm diameter by 148mm deep and the 903 is provided with an insert drilled with 3 holes, 1 x 3mm diameter, 1 x 6.5mm diameter and 1 x 9.5mm diameter. Other inserts can be provided with specially drilled calibration pockets to suit your special requirements.

A certificate of test traceable to NIST is provided with each purchase.

SPECIFICATIONS

Model	903 Portable Temperature Test Unit
Temperature Range	35°C to 650°C
Accuracy	≤ ±2°C Throughout entire range
Stabilization Range	10 minutes
Cooling Time	650°C to 50°C in 35 minutes
Heating Time	50°C to 650°C in 20 minutes
Calibration Volume	25mm diameter by 148mm deep 3 pockets, 3mm diameter, 6.5mm diameter and 9.5mm diameter.
Display Resolution	0.01 to 99.99 0.1 100 to 650 PC can display 0.01 across whole range with the software included
Indicator Units	°C, °F, K
Power	110 VAC ±10% (50 / 60 Hz) 750 Watts
Overall Dimensions	185mm x 120mm x 232mm (HxWxD)
Weight	10.8 lbs (4.9kg)

ACCESSORIES

	903-06-01:	Standard Insert Included
	903-06-02:	Blank Insert
	903-06-03:	Special Insert <i>Contact Isotech with your requirements</i>
Standard Probe	935-14-63:	Type N Thermocouple for use up to 650°C
NIST Calibration	NIST Calibration free with purchase	

HOW TO ORDER

903	Portable Temperature Test Unit
903-SITE	Portable Temperature Test Unit
Please specify accessories required	

Calibration and Uncertainty

A certificate, traceable to NIST, is included as standard.

The accuracy of the 903 Test Unit will depend very much on the mode of use. The 903 Test Unit meets the Calibration Capacity requirements of EA-10/13, "EA Guidelines on the Calibration of Temperature Block Calibrators."

Key Features

- **Wide Temperature Range**
+35°C to +650°C
- **Fast Response Time**
20 minutes to temperature
- **Compact**
65mm x 142mm x 175mm
- **Lightweight**
weighs just 10 lbs (4.9kg)

