

# 903 Portable

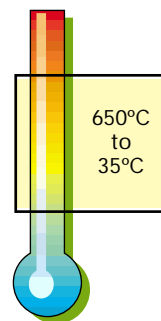
## Temperature Test Unit

The 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 0.25°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 connects to an air supply and speeds up the cooling of the unit. 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 National Standards is provided with each purchase. As an option a UKAS Internationally recognised certificate of calibration can be provided at extra cost.



### Options

|   |                    |           |   |
|---|--------------------|-----------|---|
|  | Metal Block Insert | 903-06-01 | Standard Insert<br><i>Included</i>                                |
|   |                    | 903-06-02 | Blank Insert<br><i>Insert without pockets for local machining</i> |
|   |                    | 903-06-03 | Special Insert<br><i>Contact AOIP with your requirements</i>      |

|                  |                                     |
|------------------|-------------------------------------|
| UKAS Calibration | UKAS Calibration available to Order |
|------------------|-------------------------------------|

|                |           |   |
|----------------|-----------|---|
| Standard Probe | 935-14-63 | Type N Thermocouple for use up to 650°C |
|----------------|-----------|---|

### Calibration and Uncertainty

A certificate, traceable to National Standards, is included as standard. Recommended is an optional UKAS five-point calibration.

The accuracy of the 903 Test Unit will depend very much on the mode of use. NTPL calculate the uncertainties to UKAS requirements. 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** - 9 minutes to temperature.
- **Compact** - 65mm x 142mm x 175mm not including power entry
- **Lightweight** - weighs just 1.5kg (3.3 pounds)

|                            |  |       |
|----------------------------|--|-------|
| <b>Model No.</b>           | 903 Portable Temperature Test Unit   |       |
| <b>Temperature Range</b>   | 35°C to 650°C  |       |
| <b>Stabilization Range</b> | 10 minutes   |       |
| <b>Cools from</b>          | 650°C to 50°C in 20 minutes  |       |
| <b>Heats from</b>          | 50°C to 650°C in 20 minutes  |       |
| <b>Calibration Volume</b>  | 25mm diameter by 148mm deep<br>3 pockets, 3mm diameter, 6.5mm diameter and 9.5mm diameter.   |       |
| <b>Display Resolution</b>  | 0.01 to 99.99<br>0.1 100 to 650<br>PC can display 0.01 across whole range with the software included   |       |
| <b>Indicator units</b>     | °C, °F, K  |       |
| <b>Power</b>               | 100 to 120V (50 / 60 Hz) or<br>200 to 240V (50 / 60 Hz)<br>750 Watts   |       |
| <b>Overall dimensions</b>  | Height   | 185mm |
|                            | Width  | 120mm |
|                            | Depth  | 232mm |
| <b>Weight</b>              | 4.9kg  |       |
| <b>How to Order</b>        | 903 Portable Temperature Test Unit<br>Please specify model type required<br>Please specify voltage required<br>Please specify options required |       |