



Amb. to 1000°C

- Designed to pre-warm and anneal Standard Platinum Resistance Thermometers
- Maintenance Free Use
- Available with programmable controller with communications

The Annealing Furnace, model 414, is designed to heat, anneal and cool SPRTs (Standard Platinum Resistance Thermometers) prior to calibration. The temperature range of the Furnace - from ambient to 1000°C enables all types of SPRTs to be annealed.

One of the duties of a calibration laboratory manager is to ensure that the SPRTs used in the Laboratory are fully annealed and still within specification.

Just using the thermometers within the laboratory will cause work-hardening to take place within the platinum coil of the SPRT.

Therefore regular annealing is required to ensure the SPRTs are in an ideal condition.

In 1990 the then new temperature scale ITS-90 specified the use of SPRTs up to the Silver point (961.78°C). At these temperatures quartz is very porous and in reducing atmospheres the SPRTs can quickly become contaminated.

The Isotech Annealing Furnace offers a safe solution for those who wish to anneal SPRTs up to 1000°C.

To prevent contamination at high temperatures a constant flux of pre-heated air passes the SPRTs being annealed.

A comprehensive handbook accompanies the Furnace.

This Furnace is installed simply and requires no maintenance.

# Furnaces Annealing



Model	414
Temperature Range	Ambient to 1000°C
Control	0.1°C Resolution
Furnace Depth	450mm
Diameter	50mm
Communications	Included as standard
Power	110VAC 50/60Hz 3kw or 230VAC 50/60Hz 3kw with internal transformer option

Dimensions	Height 800mm Width 400mm Depth 620mm Weight 40kg
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**How to order**  
414 Annealing Furnace