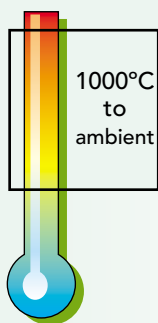


Annealing Furnace

Model 414



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

One of the duties of a calibration laboratory manager is to ensure that the SPRT's 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 SPRT's are in an ideal condition.

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

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

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

A comprehensive handbook accompanies the Furnace.

This Furnace is installed simply and requires no maintenance.

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

Model No	414
Temperature Range	Ambient to 1000°C
Control	0.1°C Resolution
Communications	Included as standard, see page 42 for details
Supply	110VAC, 3kw, 50/60Hz CTE (230VAC and 110VAC to 110VAC Isolating Transformers are available)
Dimensions	Height 800mm Width 400mm Depth 620mm
Weight	40kg

Options

935-19-43	230/110v Transformer
935-19-48	110v/110v Transformer

How to order

414 Annealing Furnace

