

TECHNICAL DATA

9230 Gallium Cell Maintenance Apparatus



Key features

- Gallium maintenance furnace.
- Plateau duration of up to one week.
- User friendly programming for Automatic realizations.

Product overview: 9230 Gallium Cell Maintenance Apparatus

The 9230 Gallium Maintenance System works with Fluke Calibration's Model 5943 Stainless Steel Gallium Cell to provide melting plateaus that last a week, with results approaching what can be achieved in a Fluke Calibration maintenance bath. Not a day. Not a day-and-a-half. One week.

The Model 5943 Stainless Steel Gallium Cell holds a gallium sample that is 99.99999+ % pure. The gallium is sealed in a PTFE envelope in a high purity argon atmosphere, which is itself sealed inside a stainless steel housing. This double-sealing method reduces leaching into the gallium sample and ensures a life of ten years or longer for the cell.

Gallium temperature is 29.7646 °C.

Specifications: 9230 Gallium Cell Maintenance Apparatus

Specifications	
Temperature Range	15 °C to 35 °C
Ambient Operating Range	18 °C to 28 °C
Stability	±0.02 °C
Vertical Gradient	< 0.03 °C over six inches during cell maintenance
Plateau Duration	Five days, typical
Resolution	0.01 ° (0.001 ° in program mode)
Display Scale	°C or °F, switchable
Immersion Depth	220 mm (8.75 in) in gallium cell
Stabilization Time	Preprogrammed
Preheat Wells	2
Fault Protection	Heating/cooling rate cutout
Display Accuracy	±0.05 °C at 29.76 °C
Heating Time	Preprogrammed
Cooling Time	Preprogrammed
Comm.	RS-232 included
Power Requirements	115 VAC (±10 %), 60 Hz, 1.0 A, or 230 VAC (±10 %), 50 Hz, 0.65 A, 175 W
Exterior Dimensions	(HxWxD) 489 x 222 x 260 mm (19.25 x 8.75 x 10.25 in)
Weight	8.2 kg (18 lb.) without cell

Ordering information



9230

Gallium Cell Maintenance Apparatus

5943

Gallium Cell, Metal Cased

1904-Ga

Accredited Cell Intercomparison, Gallium

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