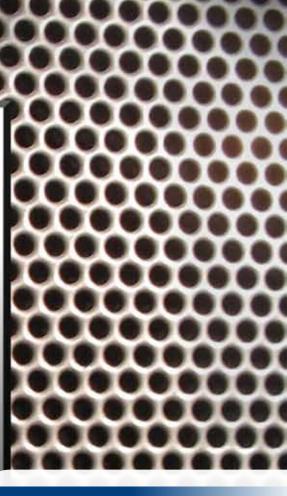
CRYO-CAL-1

Cryogenic Temperature Calibrator





Standard Features

- Temperature Ranges From 77 K To 273 K
- Stability Of ±0.002 K (Over 30 Min.)
- Injection Molded Lid For Durability & Reduced Heat Conduction
- Corrosion Resistant Gold Plated Equalization Block
- Replaceable Teflon® Bushings To Accommodate Any Size Sensor



CRYO-CAL-1

Cryogenic Temperature Calibrator

CRYO-CAL-1

The Cyro-Cal-1 is an alternative to argon triple point and other cryogenic calibrators. It is used to calibrate temperature sensors such as SPRTs, RTDs, and thermocouples via comparison calibration. EDL's Cryo-Cal utilizes the phase change point of liquid nitrogen to establish a reference temperature of approximately 77 K (-196°C).

The Cryo-Cal utilizes a gold plated equalization block which greatly reduces corrosion and oxidation, and contributes to ± 0.002 K stability and uniformity of the entire system. Four Teflon® lined bushings guide sensors into the Gold Plated Equalization Block; the block is completely immersed in the cryogenic liquid contained within a super-insulated vacuum dewar.



Standard Features

• Virtually maintenance free no moving parts or pumps

CRYO-CAL

- Injection molded lid for durability & reduced heat conduction
- Corrosion Resistant Gold Plated Equalization Block
- Replaceable Teflon® bushings to accommodate any size sensor
- Easily accessible snap-open lid allows for easy cleaning
- 12-Month Warranty

Specifications

Part #	CYRO-CAL-1
Diameter	18 cm (7.0")
Height	32 cm (12.5")
Weight	14.5 kg (32 lbs.)
Capacity	3.8 Liters
Liner Bushings	Teflon®
Wells	Accommodate Sensors Ranging From 1 mm to 7.5 mm (0.040 to 0.312")
Block Diameter	63.5 mm (2.5")
Insertion Length	233 mm (9.2")
Immersion Depth	I 44 mm (5.66'')
Dewar Material	Stainless Steel Shrouded Vacuum Insulated Glass
Block Material	Gold Plated OFHC
Lid Material	Injection Molded Polycarbonate
Minimum Use Temperature	-196° C or 77 K
Maximum Use Temperature	0° C or 273 K
Stability	±0.002 K (Over 30 Min.)
Uniformity Of Equalization Block Temperature	±0.002 K



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