

CRYO-CAL-2

Cryogenic Temperature Calibration Unit



Standard Features

- Temperature Range 77 K to 273 K
- Virtually Maintenance Free
- Calibrations from 77 K (-196 °C) to Ambient
- Corrosion Resistant Gold Plated Equalization Block
- Economical Method for Cryogenic Comparison Calibrations
- 20-30 Minute Plateaus at Desired Temperature



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Cryogenic Temperature Calibrator



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EDL's Cryogenic Calibrator (CRYO-CAL-2) is a passively cooled cryostat that allows the user to calibrate temperature measurement devices from 77 K (-196° C) to ambient at an affordable price. Using liquid nitrogen as the cooling media eliminates the extreme cost of cascade compressor systems and the cumbersome nature of such baths. Calibrating at 113 K (-160° C) is no problem, and in fact, any temperature above 77 K (-196° C) can be accomplished with dwell times greater than 30 minutes. The Cryo-Cal-2 requires no expensive bath fluids and is virtually maintenance free because there are no moving parts or pumping systems. With less than four liters of LN₂, affordable comparison calibrations can be performed at any temperature above 77 K (-196° C).



Corrosion resistant Gold Plated Equalization Block



Standard Features

- Compact & easy to use
- Virtually maintenance free - no moving parts or pumps
- Calibrations from 77 K (-196° C) to ambient
- Corrosion resistant Gold Plated Equalization Block
- Economical method for Cryogenic comparison calibrations
- 20 to 30 minute plateaus at desired temperature
- 12-Month Warranty

Specifications

Part #	CRYO-CAL-2
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	44.5 mm (1.75")
Insertion Length	233 mm (9.2")
Immersion Depth	144 mm (5.66")
Dewar Material	Stainless Steel Shrouded Vacuum Insulated Glass
Block Material	Gold Plated OFHC
Lid Material	Injection Molded Polycarbonate
Minimum Use Temperature	77 K (-196° C)
Maximum Use Temperature	273 K (0° C)
Stability	20 mK
Uniformity	50 mK

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