

# CRYO-CAL-2

Cryogenic Temperature Calibration Unit



## Standard Features

- Temperature Range 73 K To 273 K
- Virtually Maintenance Free
- Calibrations From -196 °C To Ambient
- Corrosion Resistant Gold Plated Equalization Block
- Economical Method For Comparison Calibrations Of -100 °C & Lower
- 20-30 Minute Plateaus At Desired Temperature



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Cryogenic Temperature Calibrator



## CYRO-CAL-2

EDL's new Cryogenic Calibrator (Cryo-cal-2) is a passively cooled cryostat that allows the user to calibrate temperature measurement devices from -196 °C (77 K) 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 -160 °C is no problem, and in fact, any temperature above 77 K 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.

## Standard Features

- Compact & Easy To Use
- Virtually Maintenance Free - No Moving Parts Or Pumps
- Calibrations From -196 °C To Ambient
- Corrosion Resistant Gold Plated Equalization Block
- Economical Method For Comparison Calibrations Of -100 °C & Lower
- 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	75 mm (3.0")
Immersion Length	2.75 cm (10.8")
Immersion Depth	1.50 cm (5.9")
Dewar Material	Stainless Steel Shrouded Vacuum Insulated Glass
Block Material	Gold Plated OFHC
Lid Material	Injection Molded Polycarbonate
Minimum Use Temperature	73 K
Maximum Use Temperature	273 K
Stability	20 mK
Uniformity	50 mK



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244 Oakland Drive • Danville, VA 24540 • USA

P: 434.799.0807 • F: 434.799.0847 • 1.800.342.5335

www.edl-inc.com • email: sales@edl-inc.com