



GLYCOL BOTTLE KIT

Thermal Buffer

The ACI Glycol Bottle and Accessories comes with all of the items needed to add a thermal buffer to any new or existing sensor installation that is provided in a 3/16" diameter sensing probe. The sensor should be installed inside the bottle such that the tip of the sensor is suspended approximately 1/2 inch above the bottom of the bottle. All of the mounting kits include the 304 series stainless steel mounting bracket, stainless steel screws, PG7 Cable Gland with Neoprene Seal and Nalgene Bottles. The "-3PT" Triple Point Thermal buffer should be used in pharmaceutical or critical applications where multiple sensor redundancy is required with the 3rd sensing opening available for insertion of your NIST Certified standard or reference. Mounting brackets and bottles can be ordered separately. These kits do not include any glycol, glass beads, or silica (sand) to be used as your thermal buffer material. The ACI Freezer Sensor Series is designed to work with the Glycol Bottles and Accessories or you can refer to the

Prefilled Glycol kits which include the temperature sensors, Food Grade Glycol and mounting accessories in a single package.

Applications: Monitor Freezer and Refrigerator Temperatures, Pharmaceuticals, Meat Packing Plants, Cold Storage Facilities, Thermal Buffer (Slow Response Times)

The ACI Glycol Bottles and Accessories Series is covered by ACI's Five (5) Year Limited Warranty. The warranty can be found in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's website, www.workaci.com.

PRODUCT SPECIFICATIONS

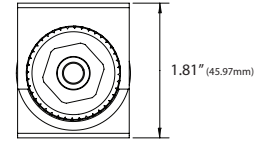
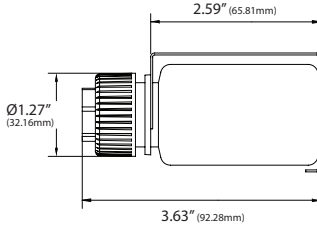
Bottle Material:	Nalgene (High Density Polyethylene (HDPE))
Cap Material:	2 oz. Bottle: Polypropylene 8.5 oz. Bottle: Green Polypropylene with thin PTFE Foam Liner
Chemical Resistance:	Resistant to most acids, bases and alcohols
Bottle Sterility:	Lab Quality, Non-Sterile
Fluid Capacity:	2 oz.: 67 ml (2 oz.) 8.5 oz.: 250 ml (8.5 oz.)
Bottle Dimensions: (Height x Diameter)	2 oz. Bottle: 3.386" (86.00 mm) x 1.535" (39.00 mm) 8.5 oz Bottle: 4.04" (102.62 mm) x 2.18" (55.37 mm)
Nalgene Bottle Operating Temperature:	2 oz. Bottle: -100°C (-73.2°F) to 120°C (248°F) 8.5 oz Bottle: -100°C (-73.2°F) to 120°C (248°F)
Bracket Material:	304 Stainless Steel
Bracket Size (H x W x D):	2 oz. Bottle: 2.541" (64.54 mm) x 1.500" (38.10 mm) x 1.760" (44.71 mm) 8.5 oz. Bottle: 3.366" (85.49 mm) x 2.630" (66.80 mm) x 3.00" (76.20 mm)
Thermowell Material (3PT only):	316 SS Steel
Thermowell Bore (3PT Only):	0.215" (5.46 mm)
Probe Size Accepted:	0.1875" (4.762 mm) (See ACI Freezer Sensor Product Data sheet)
Cable Gland (Fitting) Size Hole Size:	PG7 15 mm (0.591")
Cable Gland Material IP Rating:	Polyamide 6 IP 68 (NEMA 6P)
Cable Gland Sealing Sleeve Material:	Neoprene
Cable Gland Torque Rating	2.5 Nm (22.127 lb. inch)
Mounting Screws Material:	#10-16 Thread x 1/2" (12.7mm) 410 Stainless steel
Operating Storage Temperature Range:	-40 to 120°C (-40 to 248°F) -40 to 85°C (-40 to 185°F)
Operating Humidity Range:	10 to 100% RH, condensing
Product Weight:	A/Glycol Kit: 0.14 lbs. (63.5g) A/Glycol Bracket: 0.10 lb. (45.36 g) A/Glycol Bottle: 0.04 lbs. (18.15g) A/Glycol-3PT Kit: 0.54 lbs. (0.245 kg) A/Glycol-3PT Bracket: 0.18 lb. (81.65g) A/Glycol-3PT: 0.38 lbs. (172.37g)
Agency Approvals:	RoHS2, WEEE



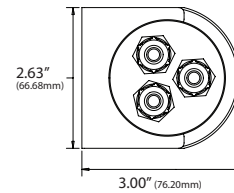
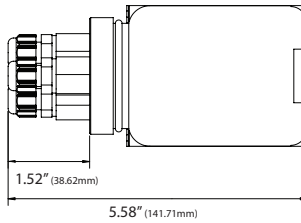
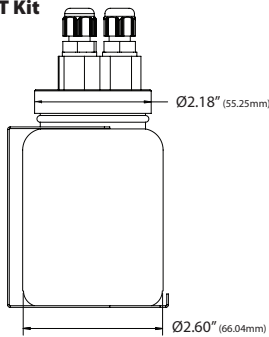


DIMENSIONAL DRAWING

Glycol Kit



Glycol 3 PT Kit



Front View

Right View

Top View

STANDARD ORDERING

Model # Example: **A/GLYCOL-3PT -OR- 131923**

Model #	Item #	Description
A/GLYCOL KIT	130127	2 oz. Nalgene Bottle, 304 SS Mounting Bracket, Screws, PG7 Cable Gland
A/GLYCOL BRACKET	130126	304 SS Mounting Bracket and Screws for 2 oz. Nalgene Bottle
A/GLYCOL BOTTLE	107696	2 oz. Nalgene Bottle with PG7 Cable Gland
A/GLYCOL-3PT KIT	131922	8.5 oz. Bottle, 304SS Mounting Bracket, Screws, Three PG7 Cable Glands and 316SS Thermowells
A/GLYCOL-3PT BRACKET	136151	304 SS Mounting Bracket and Screws for 8.5 oz. Nalgene Bottle
A/GLYCOL-3PT	131923	8.5 oz. Nalgene Bottle, Three PG7 Cable Glands and 316 SS Thermowells
A/GLYCOL 250ML	144021	Glycol Filled Bottle (250 ML)

