



**WINLAND**  
ELECTRONICS, INC.

**Winland Temp Probe Accessories**

**TEMP-G-B (Bottle of Glycerin)**  
**TEMP-T-S (Tube and Stand)**

**TEMP-G-B and TEMP-T-S are sold separately.**

**Specifications**

Operating Temp    -47.2° to 77° F (-44° to 25° C)  
Accepted Probes    TEMP-UL-S  
                          TEMP-L-S, TEMP-L-W  
                          TEMP-H-S, TEMP-H-W

Tech Support 8:00am - 5:00pm Central Time  
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www.winland.com

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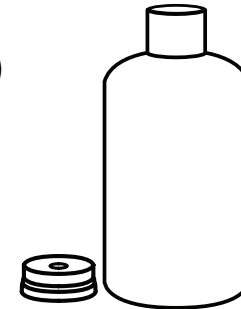
**TEMP-G-B (Bottle of Glycerin)**

This package contains:

- 1 6 fl. oz. (177 ml) Bottle of Glycerin
- 1 Rubber Grommet Cap
- 1 Installation/Operating Instructions Guide

**Specifications**

Weight                    7.04 oz (0.2 kg)  
Bottle Dimensions    4.56 x 2.13" (11.58 x 5.41 cm)



**TEMP-G-B**

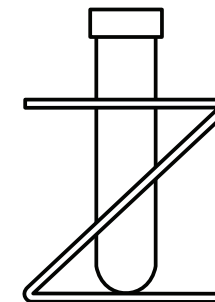
**TEMP-T-S (Tube and Z Stand)**

This package contains:

- 1 Z-Stand
- 1 1 fl. oz. (30 ml) Tube with Rubber Grommet Cap
- 1 Double-Sided Tape Tab
- 1 Installation/Operating Instructions Guide

**Specifications**

Weight                    3.6 oz (102 g)  
Stand Dimensions    3 x 3 x 2" (7.62 x 7.62 x 5.08 cm)  
Tube Height            4.25" (10.8 cm)



**TEMP-T-S**

## INTRODUCTION

Glycerin can be used to buffer a sensor reading so that its rate of change becomes slower in contrast with the faster-reacting reading of air temperature. This will help to prevent nuisance alarms and will more closely represent the temperature of a stored product of similar mass.

## Mixing Instructions

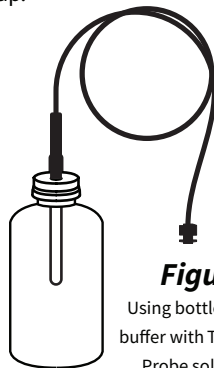
(Required For Temperatures Below Freezing)

To monitor temperatures below freezing -47.2 to 32°F (-44 to 0°C) glycerin must be mixed with water. A mixture of 55% glycerin with 45% water, by volume, will accomplish this.

## Installation

### TEMP-G-B: Using Bottle of Glycerin as Buffer

1. Mix solution (if required).
2. Replace plastic cap with the included rubber grommet cap.
3. Insert the probe (TEMP-UL-S, TEMP-L-S, TEMP-L-W, TEMP-H-S, TEMP-H-W) through the hole in the rubber grommet cap and into the bottle until it reaches the probe's black heatshrink tubing. Only the stainless steel portion of the probe should be inside the bottle. (Figure 1.)
4. Place bottle with cap up securely in environment to avoid accidental tipping.
5. Allow enough time for the temperature to stabilize. This may take several hours depending on storage temperature.

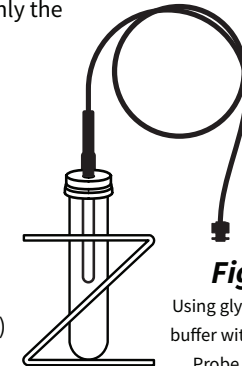


**Figure 1**

Using bottle of glycerin as buffer with TEMP-L-S probe. Probe sold separately.

### TEMP-T-S: Using Tube and Stand Kit as Buffer

1. Mix solution (if required).
2. Fill tube to approximately ½" (12 mm) from the top.
3. Replace rubber grommet cap on tube.
4. Insert the probe (TEMP-UL-S, TEMP-L-S, TEMP-L-W, TEMP-H-S, TEMP-H-W) through the hole in the cap and into the bottle until it reaches the probe's black heatshrink tubing. Only the stainless steel portion of the probe should be inside the tube. (Figure 2.)
5. Clean bottom of Z-stand. Remove covering from one side of tape tab and secure to bottom of stand. Apply pressure to completely adhere.
6. Clean installation location surface. Remove covering from tape on bottom of Z-stand. Apply pressure to completely adhere. (Note: this tape is rated to adhere in freezer applications.)
6. Place tube with cap up securely in Z-stand.
7. Allow enough time for the temperature to stabilize. This may take several hours depending on storage temperature.



**Figure 2**

Using glycerin filled tube as buffer with TEMP-L-S probe. Probe sold separately.

To insure proper operation, test weekly.