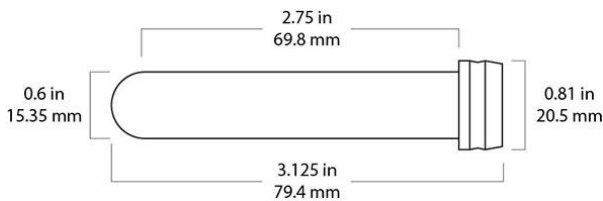


Glass Beads Temperature Buffer

This glass bead filled plastic vial will buffer any momentary fluctuations in temperatures that may cause by standard refrigeration operations such as defrost cycles, opening of doors, and fans circulating air.

The 3mm glass beads will slow the response time of the temperature sensor allowing more accurate temperature data to be captured and prevent false alerts from being sent. This is a highly recommended accessory for every cold storage application. For use with any Monnit wireless temperature sensor with probe.



The vial is made from plastic, with a flexible rubber cap that allows the sensor's temperature probe to be inserted. The overall dimension of the vial is 3.125 in (79.4 mm) x 0.81 in (20.5 mm) diameter at its widest (cap).

Impulse Duration (minutes)	Air Temp Rise (degrees F)	Air Response (degrees per minute)	Vial Temp Rise (degrees F)	Vial Response Time (degrees per minute)
5.31	15.1	2.84	8.7	1.64
5.65	15.5	2.74	8.1	1.43
7.33	16.4	2.24	8.6	1.17
5.14	14.3	2.78	7.1	1.38
6.46	13.2	2.04	6.7	1.04
6.02	13.3	2.21	6.5	1.08

AVERAGE RATES:

No Temperature Buffer – 2.45 degrees F per minute rise.

With Temperature Buffer – 1.29 degrees F per minute rise.

Conclusion: The temperature buffer causes a 52% decrease in temperature response helping to eliminate false alerts.