



Monitoring of the freezing point

Internationally recognized symbols like (✓) and (✗) show the alarm state clearly. The Freeze-tag is a highly accurate electronic temperature indicator. It is 100% calibrated and has a measuring accuracy of $\pm 0.3^{\circ}\text{C}$. For monitoring freeze-sensitive goods such as vaccines, medicine, pharmaceutical, chemicals, dyes, etc. during transport and storage (single-use).

- Easy and Immediate Read Out
- Reliable - Exact - Good Value
- Long Shelf Life

**WHO product
prequalification**
E006/007



Technical Specification

Freeze-tag

DESCRIPTION	Electronic Freeze indicator
MANUFACTURER'S REF	Freeze-tag
TYPICAL APPLICATION AREA	National supply chain International supply chain Closed organisations supply chain
EXTERNAL DIMENSIONS (L X W X H)	49 x 30 x 10.5 mm, Display 10 x 10 mm
WEIGHT	12 g
STORAGE CONDITION	+4°C to +50°C / +40°F to +122°F
OPERATING TEMPERATURE	-20°C to +55°C / -4°F to +131 °F
ALARM TEMPERATURE RANGE	-
ACCURACY OF TEMPERATURE MEASUREMENT	+/- 0.3 °C typ. +/- 0.6 °F typ.



FREEZE-TAG PRODUCT			
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ALARM LIMITS	0°C / +32°F	0°C / +32°F	-0.5°C / +31.1°F
ALARM TIME	60 min below 0°C / +32°F	10 min below 0°C / +32°F	60 min below -0.5°C / +31.1°F
TEMPERATURE MEASUREMENT INTERVAL	2 min.	20 sec.	2 min.
MEASUREMENT ACCURACY OF THE TIME	typ. +/- 5% at 0°C / 32°F		
CALIBRATION	Calibration traceable to ILAC recognised international standard (e.g. SAS, NIST) upon request		
MEMORY SIZE	-		
BATTERY	Lithium coin cell battery (CR2032) complies with IATA DGR Packing Instruction 970-Section II and is therefore not considered as dangerous good.		
PROTECTION CLASS	IP67		
BARCODE ON LABEL	-		
OPERATING LIFETIME AND SHELF LIFE	Up to 5 years- expiry date printed on label		
ACTIVATION	Always active / no start function		
STOPPING	No stop function		
CONFIGURATION	Pre-set by Berlinger & Co. AG		
WARRANTY	2 years from date of delivery (see general Berlinger Terms & Conditions)		
MANIPULATION	Freeze-tag can be used as often as required during the shelf life as long as the alarm condition has not been shown.		
STANDARDS	ROHS compliant, Regulation (EC) No. 1907/2006 REACH, CE (DoC), verification report, EN 60068-2-31, EN 60068-2-6, EN 60068-3-30, EN 61000-4-2, EN 61000-6-2/-3, IATA, PQS, safety datasheet (battery), EN 60529 (IP67)		

Subject to change. Please note that all information in this document is correct at the time of publication. Due to our policy of continuous product development, we reserve the right to change this information without prior notice.



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