

## Proven quality and an extended lifetime

The Fridge-tag 2 E measures the ambient temperature every minute and immediately issues an alert when your alarm limit is exceeded. The Fridge-tag 2 E shows irrevocably the exact point in time and the date of the first limit violations. Additional information such as how long limits were exceeded and the highest and lowest temperatures help in making binding decisions. The details can be easily read on the device and in the easy-to-read PDF.

- Extended lifetime up to 5 years
- Robust housing design
- Easily readable display

**WHO product  
qualification**  
E006/040




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# Technical Specification

## Fridge-tag® 2 E



MANUFACTURER'S REF	Fridge-tag 2 E	
DESCRIPTION	Electronic temperature monitor with USB Storage ambient conditions Storage cooling conditions (fridges, freezers, etc.)	
EXTERNAL DIMENSIONS (L X W X H)	128 x 75 x 19 mm, Display 95 x 27 mm	
WEIGHT	107 g	
STORAGE CONDITION (INACTIVE)	0 °C to +30 °C / +32 °F to +86 °F	
	INTERNAL SENSOR	EXTERNAL SENSOR
OPERATING TEMPERATURE*	-25 °C to +55 °C / -13 °F to +131 °F	-40 °C to +60 °C / -40 °F to +140 °F
DISPLAY VISIBLE	-10 °C to +55 °C / +14 °F to +131 °F	-
ALARM TEMPERATURE RANGE	-20 °C to +50 °C, in 0.1 °C increments / -4 °F to +122 °F	-35 °C to +55 °C, in 0.1 °C increments / -31 °F to +131 °F
ACCURACY OF TEMPERATURE MEASUREMENT	+/- 0.8 °C from -25 °C to -10 °C +/- 1.44 °F from -13 °F to +14 °F +/- 0.5 °C from -10 °C to +40 °C +/- 0.9 °F from +14 °F to +104 °F +/- 0.8 °C from +40 °C to +55 °C +/- 1.44 °F from +104 °F to +131 °F	+/- 0.8 °C from -40 °C to -30 °C +/- 1.44 °F from -40 °F to -22 °F +/- 0.5 °C from -30 °C to +40 °C +/- 0.9 °F from -22 °F to +104 °F +/- 0.8 °C from +40 °C to +60 °C +/- 1.44 °F from +104 °F to +140 °F
ALARM LIMITS	2 individually programmable alarm limits (1 upper and 1 lower alarm limit)	
ALARM TRIGGER TIME	1 minute to 23 h 59 min	
ALARM INDICATION	visual	
MEASUREMENT ACCURACY OF THE TIME	+/- 30 minutes / year	
CALIBRATION	Calibration traceable to ILAC recognised international standard (e.g. SAS, NIST) upon request	
MEMORY SPACE	30 day overview on display; PDF report length factory settable: 30 or 60 days	
BATTERY	Battery complies with IATA DGR Packing Instruction 970-Section II	
PROTECTION CLASS	IP64 (external sensor not plugged in)	
2D CODE ON LABEL	2D data matrix	
OPERATING LIFETIME AND SHELF LIFE	Up to 51/2 years (1/2 year storage / 5 years useful life). The battery status indicator on the display provides information on the remaining lifetime.	
WARRANTY	2 years from date of delivery (see general Berlinger Terms & Conditions)	
MANIPULATION	Fridge-tag 2 E cannot be manipulated, reset or turned off without destroying it	
FORMAT OF THE ORIGINAL DOCUMENT	PDF / ASCII (it can also be imported by many ERP or data management systems)	
SOFTWARE FOR VERIFYING PDF AND ASCII FILE	 <a href="http://www.berlinger.com/verifier">www.berlinger.com/verifier</a> JAVA™ / The software verifies the digital signature of the ASCII and PDF files.	
STANDARDS	CE, EMC, ROHS compliant, REACH, PQS	

\* for temperatures below 0 °C (+32 °F) and above 40 °C (+104 °F) we recommend to use an external sensor in order to avoid a shorter battery life. Use beyond the extended operating range can limit the battery life time.

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.

For more information download the whole user manual [www.berlinger.com/user-manuals](http://www.berlinger.com/user-manuals)



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