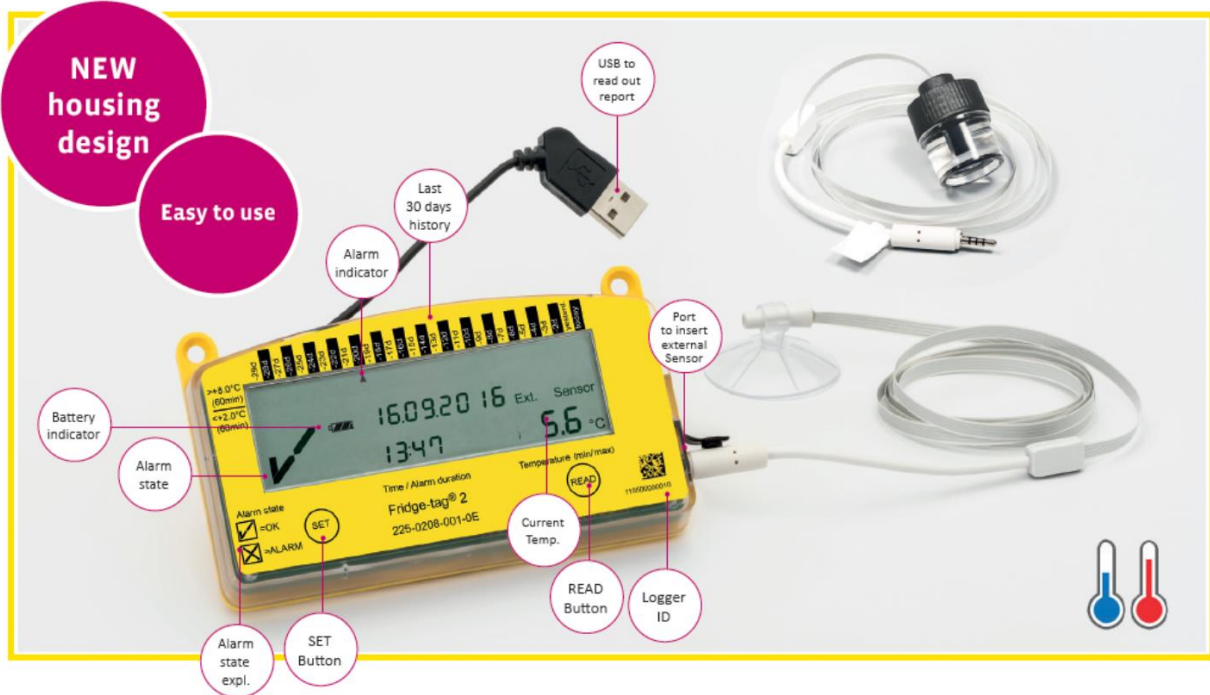


TEMPERATURE MONITORING

INDEPENDENT TEMPERATURE MONITORING

FRIDGE-TAG 2




Proven quality combined with new features

The new Fridge-tag 2 measures the ambient temperature every minute and immediately issues an alert when your alarm limit is exceeded. The large OK / ALARM indicator on the display enables immediate decision-making. Accurate temperature data from the last 60 days is presented in a PDF which is automatically generated when the device is connected to a PC / Mac, without additional software. The Fridge-tag 2 is also available with a removable external temperature sensor (measures till -40 °C / -40 °F).

- New, robust housing design
- Software for verifying PDF and ASCII file
- Easily readable display



TEMPERATURE MONITORING

DESCRIPTION	Electronic temperature monitor with USB	
MANUFACTURER'S REF	Fridge-tag 2	
TYPICAL APPLICATION AREA	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	109 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	Every sensor is factory calibrated according NIST/ILAC standard traceable. Calibration certificate on request	
MEMORY SPACE	30 day overview on display; PDF report length factory settable: 30 or 60 days	
BATTERY	Lithium coin cell battery complies with IATA DGR Packaging 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 3½ years (½ year storage / 3 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 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	 www.berlinger.com/verifier JAVA™ / The software verifies the digital signature of the ASCII and PDF files. FDA regulation 21 CFR Part 11 compliant. Software is compliant with GAMP 5 requirements.	
STANDARDS	ASTM 2500, 21 CFR Part 11, 21 CFR Part 820, ICH Q8/Q9, ANSI/IEEE 829/830/1008, EN 12830, EN 61000-4-2/6-2/6-3 EMC, EN/IEC 60529 IP protected classes IATA Regulations	



* 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.

