LIBERO Ti1

PDF Logger - User configurable - Reusable

> ATTENTION: THIS BOX INCLUDES

THE DATALOGGER

**ELPRC**∕∕−

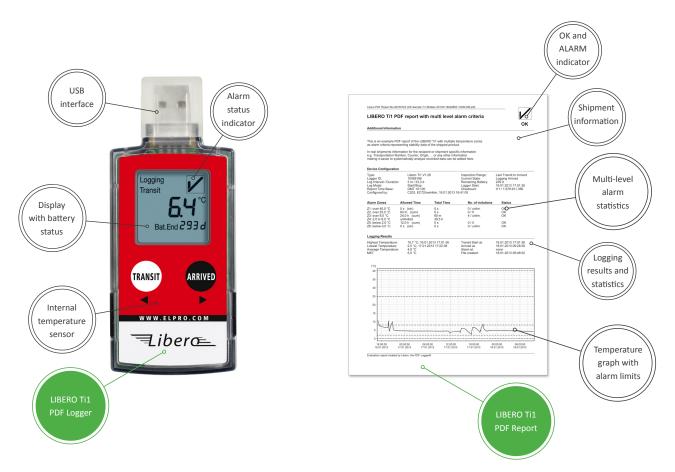
**TECHNICAL SPECIFICATIONS LIBERO TI1** 

## **LIBERO Ti1**

## **Reusable Multi-Level PDF Logger**

LIBERO Ti1 is the most versatile reusable PDF Logger for any temperature monitoring application. With its wide temperature measurement range, an unmatched accuracy and a battery lasting for more than one year, the LIBERO Ti1 is the perfect reusable data logger. Supporting up to six alarm levels and the possibility to add shipment-specific information it allows for individual configuration by the user. After its monitoring task is completed, download the PDF report and easily reconfigure the logger with the same or a completely new configuration - LIBERO Ti1 is ready for it's next monitoring task.

10.10



we prove it.



- Simple and safe, no equipment, no software
- Used by major pharma companies and CROs worldwide
- Widest temperature measurement range of -35 °C..+70 °C
- Compatible with liberoMANAGER cold chain database
- Fully compliant with industry guidelines

## **Technical specifications LIBERO Ti1**

Туре	PDF Logger with multiple alarm levels	
Application area	Cold Chain Monitoring - applications with stability data or other allowed time / temperature excursions	
Recording options and mode	Multiple use, start/stop or loop mode	
Type of probe	Internal NTC probe	
Measurement range	-35 °C+70 °C	
Measurement accuracy	± 0.2 °C in the range of -10 °C+25 °C	
	± 0.5 °C in the range of -35 °C10.1 °C as well as +25.1 °C+70 °C	
Resolution	0.1°	
Measurement interval	1 to 60 minutes, user programmable	
Memory capacity (run time)	16'000 measuring data points	
Expiry date & battery life	- 14 months shelf life	
	- 400 days logging time	
Certificate	14 month validation certificate	
Programmable alarms	- 6 temperature alarm levels with single or cumulative delays	
	- 2 temperature thresholds with alarm delay	
Start-up delay	0 minutes to 24 h	
Display	Multifunction LCD, size: 23.5 x 23.5 mm, with OK and ALARM indicator	
Display functionality	- Status: Conf, Start, Transit, Arrived	- Remaining battery life in days
	- OK, ALARM or blank	- Statistical data (min, max, average)
	- Current temperature measurement	<ul> <li>Start &amp; end marking functionality with</li> </ul>
	- Configuration profile identification	TRANSIT & ARRIVED buttons
Report	Built-in PDF file generator automatically establishes an evaluation report with embedded raw data upon	
	connection to a USB port. Complies with the ISO standard 19005-1 Document Management for the long-	
	term preservation of electronic documents (PDF/A) and 21 CFR Part 11.	
	- Customizable report title and filename	
	- Text area for additional information (e.g. shipment information, instructions for recipient, etc.)	
	- Immediate release or quarantine based on alarm status	
	- Statistics (min/max, average, alarm) & detailed logger information (ID, configuration, etc.)	
	- Chart visualizing the temperature curve and alarm limits	
Traceability	ID number	
Case / dimension / weight	ABS plastic material / 95 x 40 x 12 mm (3.8 x 1.6 x 0.5 inch) / 38 g (1.34 oz)	
Accessory	Simple bracket	
Data logger configuration	liberoCONFIG software to create, store and manage individual settings in a logger profile as well as	
	SmartStart, a liberoCONFIG component allowing a safe and quick application of profiles and shipment	
	information to PDF Loggers is downloadable free of charge.	

