



BITO
LAGERTECHNIK

PharmaBOX

High-performance box ensures temperature-controlled shipping

**CUSTOMIZABLE
AND SAFE!**

Safe storage and temperature-controlled shipping throughout the medical and pharmaceutical supply chain is vital to the success of treatments.

This is why great care must be taken when it comes to replenishing the stocks of hospitals, physicians and pharmacies with healthcare and pharmaceutical products.

PharmaBOX

Safe and temperature-controlled last mile delivery

We have developed a passive cold chain packaging solution based on our successful MB distribution container range.

This solution enables safe shipping of temperature-sensitive goods (including vaccines and medicines) over an extended period of time (37 to 80 hours) while ensuring that a specified temperature range is held.





PCM cool pack

The clever interior design shields products from direct contact with the cool packs. This helps to maintain quality and prevents freezer burn.

The insulating box insert keeps in-box temperatures within the specified range. The box insert can be cleaned after use and reused multiple times.

All cool packs have the same size and fit both container sizes.



Easy to clean by removing the washable insert bin



No direct contact between shipped goods and cool packs



Bin size	Volume	Number of PCMs	Temperature range	Duration
400x300mm	4L	4 (1x PCM set)	2-8°C	43h (ISTA 7E)
600x400mm	15L	8 (2x PCM set)	2-8°C	37h (ISTA 7E)
600x400mm	15L	12 (3x PCM set)	2-8°C	48h (ISTA 7E)
600x400mm	15L	16 (4x PCM set)	2-8°C	80h (ISTA 7E)

Prices and other temperature ranges on request.



All technologies work independently and are perfectly coordinated with each other



Beacon

- Temperature and humidity recording
- Data transmission via Bluetooth Low Energy (BLE)
- External sensors for dry ice and LN2
- Reusable
- Calibrated according to DakKS and ISO 17025



SmartHub

- Real time tracking
- Temperature, humidity and geo-fencing capability
- 5G/Wifi real-time monitoring system as a mobile gateway
- Digital seal/lock with international connectivity
- Reusable



Cloud

- Browser-accessible logistics dashboard
- Monitoring of shipments, fleet and warehouse in one system
- Support of third-party devices
- Whitelabel functionality
- Alarms and data archive



App

- Beacon and label scanner
- Shipment tracking through label scanning
- Fast readout of data loggers



Passive Systeme

- Fully integrated passive reusable shipping system



Our smart bin technology solution features:



Smart lock

Access monitoring and documentation for optimum protection of the goods



Alarm function

Alerts you in real time as soon as critical values are reached



Plug and Play

Simple and directly applicable solution – the devices connect automatically with each other



Large display

Enables data reading (e.g. temperature, humidity and devices), displays transmission labels or requested texts



Supply chain transparency

International traceability including geo-fencing capability



Sustainability

Multi-trip containers make a positive contribution to sustainability

Benefits of the BITO MB Pharmabox

The BITO Pharmabox MB is a **new passive cold chain shipping solution** that is **cost efficient and climate friendly** at the same time. It keeps shipping goods at a **specified temperature over long periods of time**, no matter whether outside temperatures are hot or cold.

Digital. Smart. Safe.

Taking pharmaceutical logistics
to the next level.

PharmaBOX



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