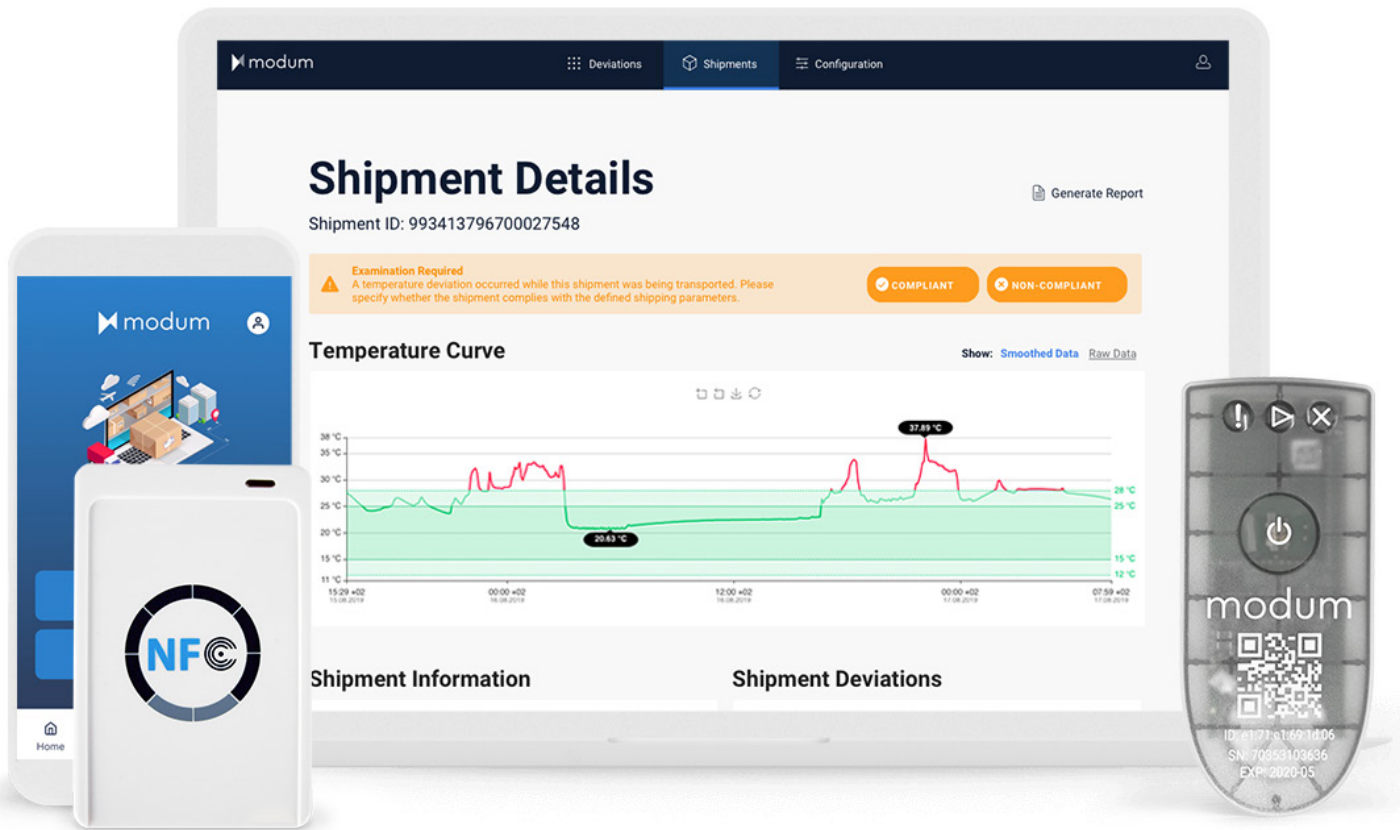


MODsense

The next generation of temperature monitoring:
Easy to handle and integrate with immediate access to trusted data.



Easy data collection with instant global access



Quick and flexible integration into existing processes



Designed for monitoring pharmaceutical and other sensitive goods



User-friendly, role-based and secure management of trusted data

A user-friendly solution designed with high-volume, last-stage shipments in mind.

MODsense enables trusted temperature monitoring in quality-sensitive supply chains, where even high volumes of shipments need to be reliably managed. It provides monitoring based on pre-defined quality requirements for each shipment with automatic performance and conformity evaluation.

MODsense allows user-friendly deviation management in a role-based web application. It offers instant notifications of temperature excursions to all stakeholders when the data logger is read out wirelessly at delivery. The entire solution can be seamlessly integrated with existing workflows and enterprise management systems, such as SAP, and leverage a recorded trusted event for further business process automation. It also integrates well with track-and-trace systems across supply chains, allowing automatic and reliable notifications at the time of shipment hand-over.

MODsense T (Generation 1)

Device Specifications

Dimensions L x W x H	95 x 43 x 10 mm
Weight	22 g
Casing	ABS / MABS, tamper-evident
Protection Class	IP 65, IP 67
Measured Parameters	Temperature in °C
Measurement Accuracy	±0.5 °C within operating measurement range
Maximum Storable Measurements	45,000 measurements
Battery Type	Li/MnO ₂ Coin Cell
Communication Interfaces	Bluetooth Low Energy, Near Field Communication
User Interface	3 LEDs: operating state, conformity with set conditions and logger state / 1 Button: wake-up
Repeatable Use	Unlimited within operating conditions
Device Traceability	Unique logger ID, QR-tag on device
Data Traceability	Device-specific signature for data authenticity from logger to blockchain
Compliance	EN 12830:2018, RTCA DO-160G (Airline Compliance), US FDA CFR 21 Part 11, EU GMP Annex 11
Markings	CE, FCC

Operating Conditions

Operating Measurement Range	-20 °C to +60 °C
Storage Conditions	+5 °C to +30 °C
Typical Battery Lifetime	6-12 months, depending on use case
Sensor Calibration Validity ¹⁾	18 months
Logger Expiration Date	Set and written on device

1) from production date

Measuring Parameters & Settings, Customizable for Each Shipment

Measurement Start Delay	0 to 60 minutes
Measuring Interval Range	1 to 30 minutes
Data Export Formats	PDF, CSV, Excel
Alarm Settings	Multi-level, Cumulated temperature, Shipment delay
Notifications	Email, Text Message, Smart Contract API

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