

Q-tag 2 plus

Q-tag 2R plus



Safe and easy monitoring of shipments

Q-tag 2 plus - Q-tag 2R plus

For such temperature sensitive goods as:

- Vaccines
- Pharmaceuticals / Medicine
- Blood and Blood Products
- Perishable Food
- Chemicals / Adhesives / Paint

OK/ALARM for immediate decision

Data analysis without any computer or software

Detailed time and temperature to each ALARM event

Direct display of time and temperature (min./max./average)

Complete documentation of the cold chain

The perfect alternative to dataloggers

Q-tag 2 plus fulfils the similar tasks as a datalogger and has additional advantages:

- Compact and light: 57 x 59 x 12 mm/30gr
- Safe: Direct display of when and which parameter has been violated.
- Easy: Analysis of the data without any computer or software. Identification with a unique, ongoing serial number and a barcode on a tear-off twin label.



Alarm indicators

The indicators will display, which time/temperature condition has been violated. The first violated alarm is displayed in the first row, on the left. The following are displayed in the second row, on the right.

Period of monitoring

Duration of the transport time is set to customer requirements between 1 to 40 days subdivided in to 24 time segments.

Alarm Display

The elapsed hours and minutes since START are shown on the clock in the middle. The word ALARM appears and the arrows indicate in which time segment the alarm conditions have been exceeded. In addition, the detailed information about the exact temperature as well as the precise time of the respective alarm is shown on the display in the history mode. (See graphics below)

Alarm settings

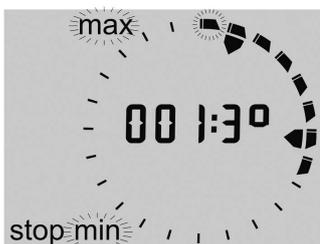
Temperature and time conditions are set to customer requirements. (cumulative and/or single event)

Temperature display

The exact extreme temperatures (min./max.), as well as the average temperatures per time segment can be read on the display in the history mode. For each alarm the respective extreme reading is shown as well.

Time display

With each alarm, you will get the exact indication of the respective run-off time since activation. Furthermore, the total run-off time of the transport since activation is displayed.



Limits set to customer requirements

History mode/test mode

The history mode displays step by step and in each time segment the exact measured minimum and maximum temperatures as well as the average temperature. If an alarm appears in one time segment, the exact time of the violation as well as the respective extreme temperature will be displayed. Up to three different alarms can be read for each time segment.

During the test mode, the correct measurement of the temperature and time can be checked. The actual measured ambient temperature flashes every second.



Conclusions drawn about transport and responsibility

The time measurement of the Q-tag 2 plus shows exactly when which time and temperature parameters have been violated. Responsibility can therefore be clearly allocated.

The collected data will be stored for at least 2 months after stopping. The results are irreversible and can therefore not be manipulated.



Complete documentation of the cold chain

Each shipment is constantly confronted with changing ambient temperatures and is therefore unique and unforeseeable. Due to the easy handling and the low expenditure for logistics, the Q-tag 2 plus can be used to monitor each shipment. Only with 100% monitoring can the required security be attained and documented.

Documentation

The display of the Q-tag 2 plus is clear and easy to read. The following information is seen at one glance:

- Temperature limits with its respective time
- Transport time per segment / total transport time
- Time of the limit violation
- Which limits have been violated
- Which was the first alarm / which the following
- Unique identification number including barcode

With a photocopy or a scan, the data can be durably archived in accordance to the requirements of your organisation. Results can easily be transmitted by e-mail or fax to those responsible.



Easy handling with START/STOP button

Q-tag 2 plus and Q-tag 2R plus Specifications

Storage temperature	-30° C ... +70° C	-22° F ... +160° F
Operating temperature	-30° C ... +55° C	-22° F ... +130° F
Accuracy of temperature measurement	+/- 0,5° C	+/- 1° F
Accuracy of time measurement	typ. +/- 10 sec./week	
Storage before START	2 years	
Data retention after STOP	2 months	
Programmable alarm parameters	5	
Programmable transport time	24 h ... 40 days	
Initial start delay time	max. 11:59 h (countdown displayed)	
Attachment	double tape sticker on the backside	
Waterproof	IP 67 (only for Q-tag 2 plus)	



Further Specifications for Q-tag 2R plus (restart)

Use

Restart

Repeated use, for example cold boxes which are always returned to the sender. (e.g. shipments of blood)
Together with a restart device (RU), the Q-tag 2R plus can be used as often as required during 2 years.

Note: Q-tag 2R plus is not waterproof

Alarm parameters are factory set according to customer requirements. The label of the Q-tag 2 plus can also be individually designed. (e.g. your company logo)

Options

100% Calibration

According to customer requirements, the Q-tag 2 plus can be 100% calibrated and will be delivered with a certificate

label cards

Q-tag 2 plus can be placed on a card which is designed and printed according to customer requirements
e.g. WHO/UNICEF card:
(for vaccine transports)



Q-tag® is a registered trademark.

Further products:

Freeze-tag®



Temperature monitoring of frost sensitive goods

Fridge-tag®



Temperature monitoring during storage

BERLINGER & CO.AG
Mitteldorfstrasse 2
CH-9608 Ganterschwil
Switzerland

Tel +41 (0) 71 982 88 11
Fax +41 (0) 71 982 88 39
E-Mail info@berlinger.ch
WEB www.berlinger.ch

Development and production: Q-tag AG Switzerland