



# Q-tag® CLm doc D – Brings everything to a point.

available now



## Our new logger is designed specifically to monitor dry ice shipments

Swiss engineering at its best paves the way for a device that can withstand the temperature extreme of dry ice and **meet demanding pharmaceutical requirements** – all without software.

The built-in USB connection produces a **secure PDF** report on any computer.

1. The Q-tag® CLm doc D is engineered to withstand the harsh dry ice environment down to -85 °C / -121 °F
2. The Q-tag® CLm doc D offers the full flexibility of up to 5 alarm settings

Our dry ice logger is highly tailored to monitor frozen or dry ice shipments within the pharmaceutical industry, clinical trials and animal- / human healthcare.

We will be pleased to advise you personally about the capability of our brand new and cost-effective solution.

Learn more about the advantages of our fully validated Q-tag® CLm doc family. [www.berlinger.ch/clmdoc](http://www.berlinger.ch/clmdoc)



### Berlinger & Co. AG

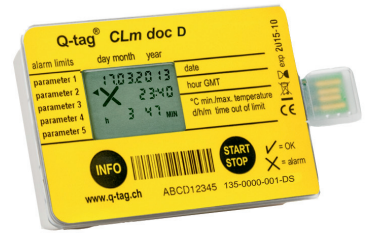
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# TECHNICAL SPECIFICATION

## Q-tag® CLm doc D



	Description	Electronic shipping indicator Q-tag® CLm doc D
	Manufacturer's ref:	Q-tag® CLm doc D
External dimensions (L x W x H)	95 x 55 x 20 mm	
Size of the LCD display	25 x 19 mm	
Weight	55 g	
Storage condition (inactive)	-30 °C to +60 °C	-22 °F to +140 °F
Operating temperature	-85 °C to +55 °C*	-121 °F to +131 °F*
Display (visible)	-10 °C to +55 °C	+14 °F to +131 °F
Alarm temperature range	-80 °C to +20 °C	-112 °F to +68 °F
Alarm limits	Up to 5 individually programmable alarm limits	
Alarm time	1 minute to 20 days	
Temperature measurement interval	Every minute	
Accuracy of temperature measurement	+/- 1.8 °C typically (-85 °C to -40 °C) and +/- 0.5 °C typically (above) +/- 3.2 °F typically (-121 °F to -40 °F) and +/- 0.9 °F typically (above)	
Measurement accuracy of the time	+/- 30 minutes / year	
Memory space	1'500 (data selection)	
Date/time programming	GMT standard programming, other time zones on request	
Battery	Lithium Battery - complies with IATA DGR Packaging Instruction 970-Section 2 and is therefore not considered as dangerous good.	
Protection class	IP64	
Operating lifetime and shelf life	Up to 2 years (30 days operation at -85 °C / -121 °F)	
Activation and stopping	Start-/ Stop button	
Configuration	Pre-set by Berlinger & Co. AG	
Manipulation	Q-tag® CLm doc D cannot be manipulated or reset without destroying it	
Format of the original document	ASCII (it can also be imported by many ERP systems) / PDF	
Free software for verifying PDF and ASCII file	JAVA™ / The software verifies the digital Signature of the ASCII and PDF files. FDA regulation 21 CFR Part 11 compliant. Software compliant with GAMP 5 requirem.	
Standards:	ASTM 2500, 21 CFR Part 11, 21 CFR Part 820, ICH Q8/Q9, ANSI/IEEE 829/830/1008, EN 12830, 2002/95 EC Directive (RoHS), EN 61000-6-2-4 EMV, EN/IEC 60529 IP protected classes, IATA Regulations	

**Note:**  
\* in the PDF graph the range of -90 °C / -130 °F to +25 °C / +77 °F is visible.  
in the ASCII file the full range will be recorded.

