TECHNICAL SPECIFICATION

Q-tag® CLm doc LR for shipment monitoring at 15 °C to 25 °C

Description	Electronic data logger restartable
Manufacturer's ref	Q-tag® CLm doc LR
External dimensions (L x W x H)	93 x 54 x 12 mm
Size of the LCD display	25 x 19 mm
Weight	40 g
Storage condition (inactive)	0 °C to +30 °C
Operating temperature	-30 °C to +60 °C*
(Display visible)	-10 °C to +60 °C
Alarm temperature range	-25 °C to +55 °C, in 0.1 °C increments
Alarm limits	Below 15 °C and above 25 °C
Alarm time	1 minute
Temperature measurement interval	1 minute
Accuracy of temperature measurement	+/- 0.8°C from -30°C to -20°C +/- 0.5°C from -20°C to +40°C +/- 0.8°C from +40°C to +60°C
Start delay	No
Calibration	Every device is calibrated / NIST / ILAC traceable
Memory space	38'000 points
Date / time programming	GMT +1
Battery	Lithium battery - complies with IATA DGR Packaging Instruction 970-Section 2 and is therefore not considered as dangerous good.
Protection class	IP65
Operating lifetime and shelf life	Up to 1 year storage / 1 year operating lifetime - expiry date printed on label
Activation	Press the START button
Stopping	STOP button
Manipulation	Q-tag® CLm doc LR cannot be manipulated or reset without destroying it
Format of the original document (en)	ASCII (it can also be imported by many ERP or data management 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 is compliant with GAMP 5 requirements.
Standards	ASTM 2500, 21 CFR Part 11, 21 CFR Part 820, ICH Q8/Q9, ANSI/IEEE 829/830/1008, EN 12830, 2011/65/EN (RoHS 2), 2012/19/EU (WEEE), 2004/108/EC EMC, EN 61000-4-2/6-2/6-4 EMC, EN/IEC 60529 IP protected classes, IATA Regulations

* for temperatures below -10 °C we recommend to use the Q-tag® CLm doc D in order to avoid a shorter battery life.

Subject to change. Please note that all information in this document is correct at the time of publication. Due to our policy of continuous product development, we reserve the right to change this information without prior notice.

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