

L-Series

Product Information Sheet



Tag

Product Code: L-TG1200

Description: Tag Bracelet (Removable)

An internal battery powers The Link-it™ series of Tags. The Bracelet Tag will, for the duration of its life, transmit a Radio Frequency (RF) signal at a preset time-interval. The Tag life is estimated at 5 years at a transmission time interval of approximately 1.5 seconds. The lifespan of the Tag ends when the battery life is exhausted. Battery status can be inferred by interrogating the internal Tag Age Counter Value.

The transmitted Tag data includes Customer Site Code (CSC), Tag ID, Tag Age Counter Value, Movement Alarm and Tamper Alarm status.

For protection against adverse environmental conditions, Link-it™ Tags are encapsulated in a moulded plastic case, which is ultrasonically sealed during the manufacturing process.

The L-TG1200 is generally used for hospital patient tagging, although it may be used in other applications such as personnel monitoring.

The Tag can be configured to accommodate Wiegand interfacing.

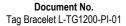


Features

- Configurable settings, including Site / Vendor ID, Tag ID, Transmission Repetition Interval and Alarm functions (these are programmed at order placement stage).
- Flexible strap can be sterilized by swabbing process.
- Long Tag lifespan (5 years when transmitting at a 1.5-second repetition rate).
- A Collision avoidance algorithm is used to dispose the transmissions around the mean repetition interval.
- · Lazer etched numbering on housing.
- Tag can be secured on a person's wrist by threading a standard plastic (hospital) strap through the loops provided.

Applications

- Link-it™ Bracelet Tags can be used in a variety of applications. Typical applications are:
 - o Patient monitoring in hospitals.
 - Children monitoring in theme parks, etc.



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Specification

Environmental

Operational temperature -10° C to $+60^{\circ}$ C Storage temperature -20° C to $+70^{\circ}$ C

Humidity 5% to 90% (non condensing)

Physical

Size 22 mm x 160 mm (Watch part width 40 mm)

Weight 15 grams Colour White

Type of material Linear low density Polypropylene (ultrasonically sealed) IP 65

RF Specifications

 T_x Frequency 433Mhz

Typical Transmission Range 5 Meters (15 feet) with L-RX201 Reader

Field strength $< 1600 \mu V/m$ Modulation ASK

Bandwidth 1 MHz Stability Saw Stabilised

Electrical Specifications

Power Internally powered Lithium Battery

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