



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 pre-set 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:
 - Patient monitoring in hospitals.
 - Children monitoring in theme parks, etc.



Specification

Environmental

Operational temperature	- 10° C to + 60° C
Storage temperature	- 20° C to + 70° 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 µV/m
Modulation	ASK
Bandwidth	1 MHz
Stability	Saw Stabilised

Electrical Specifications

Power	Internally powered Lithium Battery
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Wavetrend (Pty) Ltd.
Wavetrend House
Hammets Crossing Office Park
Selbourne Rd
Fourways
Johannesburg
South Africa
Tel +27(11)462-2633
Fax +27(11)462-6316



Wavetrend Inc.
13912 NE 31st Place
Bellevue, WA
USA

Tel +1-206-949-6394

sales@wavetrend.net

Wavetrend UK Ltd.
1st Floor, 7 Mallard Court,
Mallard Way, Crewe Business Park, Crewe,
Cheshire
England
CW1 6ZQ

Tel +44-1270-214-433
Fax +44-1270-214-420

