

ESCORT MEMORY SYSTEMS
A DATALOGIC GROUP COMPANY

ESCORT MEMORY SYSTEMS
FastTrack.
RFID

FastTrack™ Series RFID Tags

LRP125(HT)(S) / LRP250(HT)(S)

Features

- High-Temperature Surviving RFID Tags
- No Batteries
- 25mm Diameter and 50 x 50mm Sizes
- No Moving Parts
- Easy to Mount
- Reusable or Disposable

Applications

- Automotive Paint Ovens
- Material Handling
- Quality Control

Use With

- FastTrack™ Long-Range Conveyor Reader/Writer (LRP820-04)
- FastTrack™ Long-Range DeviceNet Conveyor Reader/Writer (LRP830-04)
- FastTrack™ Long-Range Reader/Writer (LRP820-08)
- FastTrack™ Long-Range DeviceNet Reader/Writer (LRP830-08)

Escort Memory Systems® (EMS), a Datalogic Group Company, is the field-proven leader in the development and application of Radio Frequency Identification (RFID) Tags/Labels/PCBs, Antennas, Controllers and network interface modules for tough industrial environments. With over a dozen years of RFID successes in the automotive, electronics, material handling and food processing industries, Escort Memory Systems has built a global reputation in providing customers with "Best in Class" RFID products and an unrivaled technical and sales support structure.

Escort Memory Systems' FastTrack™ line of RFID Tags/Labels/PCBs and Reader/Writers (or Antennas) provides outstanding RFID solutions for demanding industrial environments. From scorching paint ovens to post office parcel tracking applications in which 99 Labels must be read and written to at the same time, the FastTrack™ family of RFID Tags/Labels/PCBs and Reader/Writers will be your complete RFID solution.

The FastTrack™ family of RFID Tags/Labels/PCBs use Philips Semiconductor I-CODE

chips, but most important, use Escort Memory Systems unique, patented design and manufacturing technology to create the most advanced industrial RFID Tags in the world.

Escort Memory Systems' reusable (or disposable) FastTrack™ Series Passive Read/Write RFID Tags, LRP125HT / LRP250HT, are specifically designed for paint oven applications. In either a 25mm diameter or 50 x 50mm square Tag version, the FastTrack™ Tags also feature normal temperature surviving Tags (LRP125 / LRP250) in addition to the high-temperature Tags (LRP125HT / LRP250HT).

Long-Range Read and Write distances, Multiple-Tag-In-Field Read/Write technology, industrial Antennas, DeviceNet Reader/Writers, RFID Labels, high-temperature disposable FLX Tags...Escort Memory Systems' FastTrack™ family of Tags/Labels/PCBs, Controllers and Reader/Writers is your RFID solution.

**HIGH
TEMPERATURE
SURVIVING
RFID TAGS**

FastTrack™ – LRP125(HT)

Features

LRP125

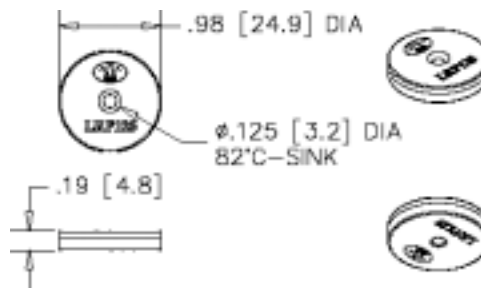
Memory	48 Bytes (S 112 Bytes)
Data Transfer Rate	200 Bytes/Second
Operating Temperature	-4° to 185°F (-20° to 85°C)
Storage Temperature	-40° to 185°F (-40° to 85°C)
Protection Class	NEMA 6P/13 (IP68)

LRP125HT (High-Temperature)

Memory	48 Bytes (S 112 Bytes)
Data Transfer Rate	200 Bytes/Second
Operating Temperature	-40° to 200°F (-40° to 93°C)
Storage Temperature	-40° to 410°F (-40° to 210°C)
Protection Class	NEMA 6P/13 (IP68)

Note: Operating Temperature is the range of temperatures at which read, write and fill operations can be performed.

Mechanical Dimensions



FastTrack™ – LRP250(HT)

Features

LRP250

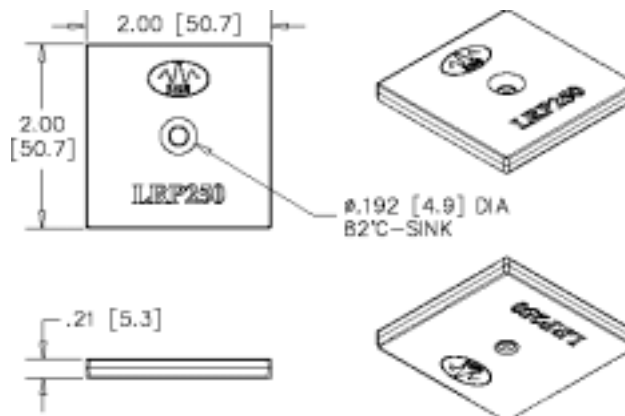
Memory	48 Bytes (S 112 Bytes)
Data Transfer Rate	200 Bytes/Second
Operating Temperature	-4° to 185°F (-20° to 85°C)
Storage Temperature	-40° to 185°F (-40° to 85°C)
Protection Class	NEMA 6P/13 (IP68)

LRP250HT (High-Temperature)

Memory	48 Bytes (S 112 Bytes)
Data Transfer Rate	200 Bytes/Second
Operating Temperature	-40° to 200°F (-40° to 93°C)
Storage Temperature	-40° to 410°F (-40° to 210°C)
Protection Class	NEMA 6P/13 (IP68)

Note: Operating Temperature is the range of temperatures at which read, write and fill operations can be performed.

Mechanical Dimensions



RFID Field and Read/Write Ranges

LRP820-04 / LRP830-04 Passive Reader/Writers (mounted between metallic rollers)

Reading & Writing Ranges with FastTrack™ Passive Read/Write TAGS

	LRP125(HT)	LRP250(HT)
Typical Range (Z) (inches/mm)*	2.50/64	7.00/178
Guaranteed Operating Range	2.00/51	6.00/152

LRP820-04 / LRP830-04 Passive Reader/Writers (free air/non-metallic environment)

Reading & Writing Ranges with FastTrack™ Passive Read/Write TAGS

	LRP125(HT)	LRP250(HT)
Typical Range (Z) (inches/mm)*	3.00/76	8.50/216
Guaranteed Operating Range	2.25/57	7.50/191

LRP820-08 / LRP830-08 Passive Reader/Writers

Reading & Writing Ranges with FastTrack™ Passive Read/Write TAGS

	LRP125(HT)	LRP250(HT)
Typical Range (Z) (inches/mm)*	8.00/203	17.00/432
Guaranteed Operating Range	7.00/178	15.00/381



FastTrack™ Series RFID Tags LRP125(HT) (S) / LRP250(HT) (S)

Available Models

Model	Description
LRP125 (S)	Passive Read/Write Tag, 25mm diameter, 48 Bytes (S 112 Bytes)
LRP125HT (S)	Passive Read/Write High-Temperature Tag, 25mm diameter, 48 Bytes (S 112 Bytes)
LRP250 (S)	Passive Read/Write Tag, 50 x 50mm, 48 Bytes (S 112 Bytes)
LRP250HT (S)	Passive Read/Write High-Temperature Tag, 50 x 50mm, 48 Bytes (S 112 Bytes)

Compatible Products

Model	Description
LRP820-04	Long-Range Conveyor Reader/Writer
LRP830-04	Long-Range DeviceNet Conveyor Reader/Writer
LRP820-08	Long-Range Reader/Writer
LRP830-08	Long-Range DeviceNet Reader/Writer

Accessories

Model	Description
00-1127	Mounting Hardware Kit for LRP250HT, 10 Ceramic Spacers, 10 Screws