



# MESONTAGS

*the smarter way of identification*

## Description & Features

LF Waste Bin Tag is designed with a durable plastic encasement, its design protects it from dust and other environment effects. This makes it best product for waste management application. this tag can be customize with various ICs and memory depending on requirement.



**LF WASTE BIN TAG** (Part No. : 11C1N9801)

[www.mesontags.com](http://www.mesontags.com)

### Electrical Characteristics

Communication ISO Protocol	ISO/IEC 11784/85
Operating Frequency band	125 KHz / 134.2 KHz
Chip type	<b>EM4305 (Other upon request)</b>
Memory Organization	<ul style="list-style-type: none"> <li>• 512 bit EEPROM organized in 16 words of 32 bit</li> <li>• 32 bit unique identifier (UID)</li> <li>• 32 bit Password read and write protection</li> <li>• Lock feature converts EEPROM words into Read Only</li> <li>• Two data encodings: Manchester and Bi-phase</li> <li>• Multi-purpose data rate: 8, 16, 32, 40 and 64 RF clocks</li> </ul>
Data retention	10 Years
Endurance cycle	10,000 Cycles

### Physical Characteristics

Dimension	: Dia 30mm, Thread pitch 1.5mm & Thickness 15.0 mm
Encasement	: Nylon plastic
Weight	: 13 gms
Color	: Black (other upon request)
Quality Testing	: 100%

### Environmental Characteristics

Ingress Protection	: IP68
Operating Temperature	: -40°C to +85°C
Storage Temperature	: -40°C to +85°C
Application on	: waste bins
Attachment/ mounting	: Provided threads

### Chemical Characteristics

■ Resistance to salt water exposure	: Yes
■ Resistance to lubricant exposure	: Yes
■ Resistance to IPA & thinner	: Yes

### Optional

■ Encoding/ Programming	: Yes
■ Logo and/or Text printing	: Yes

### Ordering code and descriptions

11C1N9801	: With EM4305
11C1N9802	: With EM4200
11C1N9803	: With NXP HitagS256

### Dimensions

