



# LMU 700 GPRS

## Economical GPS Tracking Unit

The LMU-700 is an economical vehicle tracking product designed for easy and reliable installation in automobiles. The LMU-700 is an ideal solution for automotive insurance, stolen vehicle, vehicle finance, auto rental and other automotive tracking applications.

**Superior GPS & cellular quality**

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**Built-in Antenna Option for Easy Installation**

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**Built-in Harness**

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**Built-in Motion Sense and Alerting**

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**Voltage Monitoring and Low Battery Notification**

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**Automatic, Over-The-Air Configuration on Power-Up**

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**Automatic, Over-The-Air Firmware Download**

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**Mobile Resource Management**  
**Simplified**

## PHYSICAL SPECIFICATIONS

### Size

54 x 89 x 16 mm (2.125" x 3.5" x 0.625")

### Mass

Internal 74 g

## ELECTRICAL SPECIFICATIONS

### Power Source

6 - 32 V DC

### Power Consumption

Active Standby	<70 mA @ 12 V
Sleep on Network	<10 mA @ 12 V
Deep Sleep	<1 mA @ 12 V

## ENVIRONMENTAL

### Operating Temperature

-30° C to +75° C

### Storage Temperature

-40° C to +85° C

### Humidity

95% RH @ 50° C non-condensing

### Shock and Vibration

U.S. Military Standard  
202G and 810F, SAE J1455

### EMC/EMI

SAE J1113  
FCC - Part 15B  
Industry Canada

### RoHS Compliant

Yes

## GSM SPECIFICATIONS

### Data Support

SMS, GPRS (UDP)

### Cellular/PCS

FCC-Parts 22, 24; PTCRB

### GPRS

Up to class 12

### Quad Band

850/900/1800/1900 MHz

### Output Power

850 MHz (Class 4)	2 W
900 MHz (Class 4)	2 W
1800 MHz (Class 1)	1 W
1900 MHz (Class 1)	1 W

## GPS SPECIFICATIONS

### Channels

50 channel (with SBAS, DGPS)

### Location Accuracy

2 m CEP (with SBAS)

### Tracking Sensivity

-160 dBm (tracking)

## I/O & INTERFACES

### Comprehensive I/O

Inputs	3
Realy Driver Outputs(150 mA)	3
Status LEDs	Cellular GPS status

### Connectors & SIM

SIM Access	Internal
Power, I/O, Programming	20 Pin Molex-type fused power harness

## FEATURES

### Key Features

GPRS and SMS-Based Messaging  
Internal GSM and GPS Antennas  
Super Sensitivity GPS (-160 dBm)  
Ultra Low Power Safe Mode (<1 mA)  
3 Axis Accelerometer for Motion Sense  
Voltage Monitoring and Low Battery Notification  
2,000 Buffered Messages  
Built-In Harness  
4 Built-in Geo-fences  
PEG™ Exception-Based Rules  
Automatic Over-The-Air Unit Configurational  
Over-The-Air Firmware Download  
Web-Based Devise Management  
3 Inputs / 3 Outputs

### Optional Features

Starter Interrupt Harness  
OBDII Easy Install Harness  
External Backup Battery

### Development Support Options

Custom Hardware and Software Development  
Available



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