

# Charm EZ<sup>®</sup> Lite

## Charm EZ Lite System

### Portable Testing for Antibiotics & Aflatoxin M1 in Milk

The **Charm EZ Lite** system is a complete incubator and analyzer in one, making testing with Charm EZ Compatible<sup>®</sup> Strips and recording data easy.



### Equipment Overview

The Charm EZ<sup>®</sup> Lite system instantly identifies residue of concern by the test color on the ROSA<sup>®</sup> (Rapid One Step Assay) strips and automatically adjusts incubation time, temperature, and test calibration. As a combined incubator and reader in one, the Charm EZ Lite system is designed to simplify testing, reduce operator error, and provide real time results to document your food safety programs from farm to table.

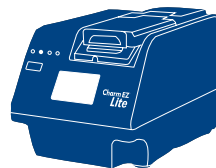
### Features & Benefits

- ✓ Strip Recognition – Automatic adjustment of incubation time, temperature, and test calibration
- ✓ Lithium Ion Battery – 8 hour vehicle runtime, or flexible 9-30 VDC external DC power for use in lab (LF-ROSA-EZ-LITE and LF-ROSA-EZ-LITE-US models only)
- ✓ Indicator Lights – Green and red LED indicators for instant visual of temperature and positive/negative readings
- ✓ Secure Data Management SD Card – Secure data storage, transfer, and firmware updates
- ✓ Live Data Transfer – Serial communication to truck computer, LIMS, smartphone, tablets or printer
- ✓ Proven Charm EZ Interface Technology – Allows connection to barcode and RFID readers for automatic insertion of sample ID
- ✓ Data integration with onboard truck computer – allows for the porting of test data ahead of delivery, improving truck logistics

### Simple Procedure



Add Sample



Incubate

```
OPER 000  
SMPL 000-001  
READ -2100  
RSLT NEG
```

Read

# Instrument Overview

## Ergonomic Design

A durable molded enclosure allows for single-hand operation.

## LCD Display

Backlit, sunlight-readable, alphanumeric display



**Rechargeable / Replaceable Battery (selected models only)**  
12 hour runtime

## Micro SD Card

Back View



On/Off Switch

Multi I/O Port

**IP 64 Rated Base and Connection Cable**  
(On battery powered unit only)

# Specifications & Order Codes

## Specifications

<b>Unit Dimensions</b>	9.5 x 9 x 15 cm (W x H X D)	CE
<b>Weight</b>	0.7 kg	
<b>Screen Dimensions</b>	3 x 2 cm (W x H)	
<b>Screen Display</b>	LCD Display	
<b>User Interface</b>	1 USB port, 3 RS232 ports for interfacing to common peripherals such as barcode and RFID readers, printer interface, optional WIFI/Bluetooth with smartphone app	
<b>Power Source (AC)</b>	Lithium Ion Battery or 9-30 VDC (selected models only)	
<b>Full Charge Battery Run Time</b>	Up to 8 hours	
<b>Auto Adapters</b>	9-30 VDC Adapter	
<b>Calibration (ATP)</b>	Factory Set (Control available for verification)	
<b>Memory Capacity</b>	100,000 Tests	
<b>Data Port</b>	USB or Serial Port	

## Order Info

Order Codes:	Contains:
<b>LF-ROSA-EZ-LITE</b>	Charm EZ Lite Calibrated for MRL (EU) Test Strips.
<b>LF-ROSA-EZ-LITE-US</b>	Charm EZ Lite Calibrated for SL (US) Test Strips.
<b>LF-ROSA-EZ-LITE-NB</b>	Charm EZ Lite Calibrated for MRL (EU) Test Strips, Unit has no battery.
<b>LF-ROSA-EZ-LITE-NB-US</b>	Charm EZ Lite Calibrated for SL (US) Test Strips, Unit has no battery.



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