



# CERBERUS PYROTRONICS FM-200 Extinguishing Systems Liquid Level Indicator Owner's Manual

[Home](#) » [CERBERUS PYROTRONICS](#) » CERBERUS PYROTRONICS FM-200 Extinguishing Systems Liquid Level Indicator Owner's Manual 

## Contents

- [1 CERBERUS PYROTRONICS FM-200 Extinguishing Systems Liquid Level Indicator](#)
- [2 ENGINEER AND ARCHITECT SPECIFICATIONS](#)
- [3 Introduction](#)
- [4 Description](#)
- [5 Operation](#)
- [6 Ordering Information](#)
- [7 Documents / Resources](#)
  - [7.1 References](#)
- [8 Related Posts](#)



**CERBERUS PYROTRONICS FM-200 Extinguishing Systems Liquid Level Indicator**



## **ENGINEER AND ARCHITECT SPECIFICATIONS**

### **Models FM-200L, FM-350L and FM-500L**

- Accurate
- Liquid Level Located Magnetically
- No Need to Move or Disconnect Cylinders
- Uninterrupted Hazard Protection
- Fast, Simple Procedure
- Install as Option
- Listed
- FM Approved

### **Introduction**

The FM-200™ Liquid Level Indicator, Models FM-200L, 350L and 500L are designed to determine the weight of FM- 200™ in 200 lb., 350 lb., and 500 lb. cylinders. The unit is Underwriters Laboratories Inc. listed and Factory Mutual approved.

### **Description**

The Liquid Level Indicator consists of a magnetic tape which projects from the cylinder shoulder down into the cylinder to a point well below the minimum fill level. A hollow metal tube is inserted into a special fitting located in

the top of the 200 lb., 350 lb., or 500 lb., FM-200TM cylinder. The indicator is provided with a graduated tape designed to sense the position of a toroidal magnet encased within an internal float riding on the liquid surface. The graduations of the tape indicate the location of the liquid level within the cylinder.

## Operation

To use the magnetic tape to determine the weight of FM- 200TM in the cylinder, it is necessary only to remove the cap from the tape. Lift the tape with the fingers until magnetic coupling occurs between the magnet in the float and on the bottom of the tape. This can easily be felt and the fingers can then release the tape which will be held in position magnetically. The graduated tape is then read to the nearest tenth of an inch at its entry to the fitting. The temperature of the cylinder is read with a thermometer and the weight of the FM-200TM in the cylinder is read from a series of temperature curves on a graph of inches vs. pounds of FM-200TM. Separate graphs are provided for the 200 lb., 350 lb., and 500 lb cylinders.

## Architect's Specification

The FM-200TM Storage cylinders shall be fitted with a liquid level indicating device for determining the weight of the FM-200TM charge in the cylinders. The device shall consist of a brass diptube with a stainless steel float riding on the outside of the diptube, and a flexible magnetic tape within the diptube. Both the tape and the float shall be fitted with magnets capable of coupling so as to suspend the magnetic tape, with its calibrations easily read at the entry to the diptube indicating the actual liquid level in the cylinder. A graph shall be provided to translate the magnetic tape reading to pounds of FM-200TM in the cylinder at the cylinder temperature. A cap shall be provided to retain the tape within the diptube when in service but not in use. The liquid level device shall be installed as an option or as a permanent part of the cylinder assembly and shall be Underwriters Laboratories Inc. listed and Factory Mutual approved.

## Ordering Information


Model Number	Description	Shipping Weight Cylinder Empty
FM-200L	200 lb. capacity cylinder with liquid level indicating device	139 lbs. (63 Kg.)
FM-350L	350 lb. capacity cylinder with liquid level indicating device	203 lbs. (92 Kg.)
FM-500L	500 lb. capacity cylinder with liquid level indicating device	362 lbs. * (164 Kg.)

Cerberus Pyrotronics  
8 Ridgedale Avenue  
Cedar Knolls, NJ 07927  
**Tel:** (201) 267-1300  
**FAX:** (201) 397-7008

Cerberus Pyrotronics  
50 East Pearce Street  
Richmond Hill, Ontario  
L4B, 1B7 CN  
**Tel:** (905) 764-8384  
**FAX:** (905) 731-9182

[firealarmresources.com](http://firealarmresources.com)

## Documents / Resources

	<p><a href="#">CERBERUS PYROTRONICS FM-200 Extinguishing Systems Liquid Level Indicator</a> [pdf] Owner's Manual</p> <p>FM-200 Extinguishing Systems Liquid Level Indicator, FM-200, Extinguishing Systems Liquid Level Indicator, Liquid Level Indicator</p>
---	---

## References

-  [Fire Alarm Resources | Download fire alarm documents](#)