

For use in
Class I
Division 1
Group D
Environments



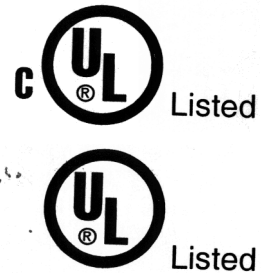
- All 110/120 volt wiring is kept *outside* the hazardous area for improved safety.
- Solid state electronics assure intrinsic safety.
- Simple, modular design for ease of service.
- Flexible cord eliminates the need for rigid conduit and allows mobility of the reader inside the hazardous area.
- Small footprint for maximum efficiency of valuable workspace.
- On/Off switch is conveniently located *on* the reader, not outside the hazardous location.



EC8500 HAZARDOUS LOCATION READER

EC8500

HAZARDOUS LOCATION READER

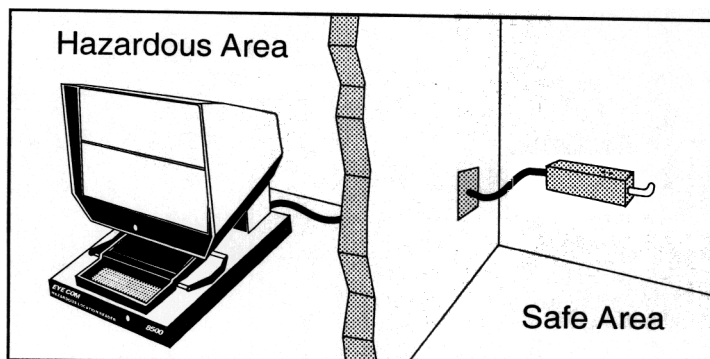


Specifications

The EC8500 is a microfiche reader for use in Class I, Division 1, Group D hazardous environments. The power supply (mounted outside the hazardous location) outputs intrinsically safe power to be used by the reader. A flexible cord is provided to allow the reader to be moved within the hazardous location.

*Classification Rating of Power Supply:	Class I, Division 2, Group D with intrinsically safe output
*Classification Rating of Reader:	Class I, Division 1, Group D
Screen Size:	8-1/4" H x 10-3/4" W (210mm x 273mm)
Dimensions:	16-3/4" H x 12-3/8" W x 17-1/2" D (425mm x 314mm x 444mm)
Weight:	22 lbs. (9.9 kg.)
Magnifications:	16X, 18X, 24X(Source), 27X, 32X (42X COM), 36X (48X COM), 42X, 54X (72X COM), 68X
Power Supply Input Power:	120VAC, 60Hz, 30W
Lamp Output:	6VDC, 9W, FKY
UL/CSA Listed	E125252

*The classification ratings of these components are valid only when wired according to control drawing 2345 of the operators manual.



Description of Class I, Division 1 Environments As Defined By Article 500-5(A) of the National Electrical Code:

A Class I, Division 1 location is a location (1) in which ignitable concentrations of flammable gases or vapors can exist under normal operating conditions; or (2) in which ignitable concentrations of gases or vapors may exist frequently because of repair or maintenance operations or because of leakage; or (3) in which breakdown or faulty operation of equipment or processes might release ignitable concentrations of flammable gases or vapors, and might also cause failure of electrical equipment.

(FPN): This classification usually includes locations where volatile flammable liquids or liquefied flammable gases are transferred from one container to another; interiors of spray booths and areas in the vicinity of spraying and painting operations where volatile flammable solvents are used; locations containing open tanks or vats of volatile flammable liquids; drying rooms or compartments for the evaporation of flammable solvents; locations containing fat and oil extraction equipment using volatile flammable solvents; portions of cleaning and dyeing plants where flammable liquids are used; gas generator rooms and other portions of gas manufacturing plants where flammable gas may escape; inadequately ventilated pump rooms for flammable gas or for volatile flammable liquids; the interiors of refrigerators and freezers in which volatile flammable materials are stored in open, lightly stoppered, or easily ruptured containers; and all other locations where ignitable concentrations of flammable vapors or gases are likely to occur in the course of normal operations.

A MEDIA INDEPENDENT DOCUMENT MANAGEMENT COMPANY



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