

1151 Boston-Providence Turnpike
P.O. Box 9102 Norwood, MA 02062 USA
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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

MINICAP FTC 262-JBcdB1. Capacitive Level Limit Switch for Solids.
DIP-IS/II,III/1/EFG/T4A Ta (enclosure)=60°C Ta (sensor)=80°C; Type 4X.

c = Probe length: any single number representing a length up to 10000mm.
d = Electronics: 2 (DC PNP 10.8 to 45Vdc) or 4 (AC/DC 20 to 253Vac, 50/60Hz or 20 to 55Vdc with relay).

Equipment Rating:

Dust-ignitionproof with intrinsically safe sensor for use in Class II and III, Division 1, Groups E, F and G hazardous (classified) outdoor (NEMA Type 4X) locations.

Approved for: Endress + Hauser GmbH + Co., Hauptstrasse 1, D-79689 Maulburg, Germany.

This certifies that the equipment described has been found to comply with the following Factory Mutual Research Approval Standards:

Approval Standard Class 3600 - November 1998
Approval Standard Class 3610 - October 1999
Approval Standard Class 3810 - March 1989, Including Supplement #1, 1995

Original Approval Job Identification: 3006343. Approval Granted: November 8, 2000

Subsequent Revision Reports/Date Approval Amended:

None

Factory Mutual Research Corporation



William Calder, Assistant Vice President
Approvals Division

Date



14 Nov 00

NOT to be distributed outside the FACTORY MUTUAL SYSTEM, except by CLIENT.

APPROVAL REPORT

CAPACITIVE LEVEL LIMIT SWITCH FOR SOLIDS
TYPE MINICAP FTC262 SERIES
for
HAZARDOUS (CLASSIFIED) LOCATIONS

Prepared For:

Endress + Hauser GmbH + Company
Hauptstrasse 1, P.O. Box 1261
D-79689, Maulburg, Germany

J.I. 3006343
(3600,3610,3616)

October 20, 2000

FACTORY MUTUAL



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 P.O. Box 9102
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October 20, 2000

3006343
 (3600, 3610, 3616)

**CAPACITIVE LEVEL LIMIT SWITCH FOR SOLIDS
 TYPE MINICAP FTC262 SERIES**
 for
HAZARDOUS (CLASSIFIED) LOCATIONS
 from
ENDRESS + HAUSER GmbH + Company
HAUPTSTRASSE 1
D-79689 MAULBURG, GERMANY

I INTRODUCTION

1.1 Approval Standards - Endress + Hauser GmbH + Co. requested Approval of the apparatus listed in Section 1.2 to be in compliance with the applicable requirements of the following standards:

Title	FMRC No.	Issue Date
Electrical Equipment for Use in Hazardous (Classified) Locations, General Requirements	Class No. 3600	August 1998
Intrinsically Safe Apparatus for Use in Class I, II and III, Division 1 and Class I, Zone 0 & 1 Hazardous (Classified) Locations.	Class No. 3610	October 1999
Dust-Ignitionproof Electrical Equipment for Hazardous (Classified) Locations	Class No. 3616	Proposed
Electrical and Electronic Test, Measuring, and Process Control Equipment	Class No. 3810	1989 Supp. 1, 1995
Enclosures for Electrical Equipment (1000V max)	NEMA Pub. 250	1991

1.2 Supplemental Reports

J. I. 3001232- Covers Approval of Minicap FTC260 Series and F14 polymeric enclosure dust-ignitionproof, NEMA 4X, and polymeric enclosure testing.