



Certificate: 1238461
Project: 1491726
Master Contract: 151079
Date: October 24, 2003

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 1010.1-92 - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements (Includes Amendment 1)
UL 3121-1 - Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use.

DOD-507WD 2001/08/07



Certificate of Compliance

Certificate: 1238461
Project: 1491726
Master Contract: 151079
Date Issued: October 24, 2003

Issued to:
Endress + Hauser
Hauptstrasse 1
D-79689 Maulburg
GERMANY

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US'



Authorized by: G. Foulem

PRODUCTS

- 2252-03 PROCESS CONTROL EQUIPMENT
 - 2252-83 PROCESS CONTROL EQUIPMENT Certified to US Standards
 - 2258-03 PROCESS CONTROL EQUIPMENT Intrinsically Safe and Non Incendive Systems - For Hazardous
 - 2258-83 PROCESS CONTROL EQUIPMENT-Intrinsically Safe and Non-Incendive Systems - For Hazardous Locations-Certified to U.S. Standards
- Level switch for liquids Models FTL20-XXXX AC or FTL20H-XXXXXX AC 2-wire (19...253V ac, 50/60Hz)
FTL20-XXXX DC-PNP or FTL20H-XXXXXX DC-PNP (10...35V dc)
FTL20-XXXX AS-1 or FTL20H-XXXXXX AS-1 (26...32V dc)
- The X... in the model designation refers to any combination of numeric character not effecting electrical rating.

The 'C' and 'US' indicators adjacent to the CSA Mark signify that the product has been evaluated to the applicable CSA and ANSI/UL Standards, for use in Canada and the U.S., respectively. This 'US' indicator includes products eligible to bear the 'NRTL' indicator, NRTL, i.e. National Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories which have been recognised to perform certification to U.S. Standards.

DOD-507WD 2001/08/07



Supplement to Certificate of Compliance

Certificate: 1238461

Master Contract: 151079

*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
1491726	October 24, 2003	Update of report 1238461 to include model FTL20 and FTL20H, both with temperature decoupling for medium temperature of 150°C.
1238461	September 11, 2001	Original Certification.



GSA INTERNATIONAL

PROFILE OF CERTIFICATION REPORTS



GSA INTERNATIONAL

No: 052694 C 000

File No: 052694 C 000
Master Contract No.: 151079 (Formerly 052694)

Submitter:
Endress + Hauser GmbH & Co.
Hauptstrasse 1
Maulburg D-79689
Germany

Attention: Mr. Karl-Heinz Kienberger
Tel: (011) 49-7622-28964
Fax: (011) 49-7622-28604

PROTOTYPE VERIFICATION FACILITY

Contact No. Name & Address
Endress + Hauser GmbH & Co.
Hauptstrasse 1
Maulburg D-79689
Germany

Inspection Office
Toronto
(By Request)

Factory Contract / File
151080 / 052694

FACTORIES (UNDER RE-EXAM)

Contact No. Name & Address
4500920 Endress + Hauser GmbH & Co.
Hauptstrasse 1
Maulburg D-79689
Germany

Inspection Office
Toronto
(By Request)

Factory Contract / File
151080 / 052694

4549549 Endress + Hauser GmbH & Co.
Division Level + Pressure U.S.A.
2350 Endress Place
Greenwood, IN 46143
U.S.A.

Attention: Mr. Grohnert, Helmut
Quality Assurance Manager

Note: Accreditation of Endress + Hauser GmbH & Co., Maulburg, Germany as Category Program Facility (Conducted under LR 53988-55 Application)

Report	Project	Contact No.	Subject
-1	F1	F1	Profile is incomplete.
-2	F1	F1	This report is superseded by 52694-14.
-4	F1	F1	This report is superseded by 52694-14.
-5	ALL	ALL	January 2, 1992 - Level indicator Series FTL 160 and 161 C/D (EL11, 12 and 13). July 17, 1992 - Special purpose enclosures for Pressure Transmitter Series Cerabar PMC 133C...536C.
-7	F1	F1	July 14, 1992 - Update to LR 52694-4, to cover alternate model designation. May 11, 1993 - Nivoseonic transmitter, Models FMU 671 and FMU 676, and ultrasonic sensor Models DU 40 and DU 41. August 16, 1993 - Updates to LR 52694-5 and -7 to cover alternate construction of VUI30C Cerabar display unit and Nivoseonic transmitters FMU 671, FMU 676, Sensors DU 40 and DU 41.
-8	-	-	-
-9	ALL	-	May 6, 1994 - Level limit switch, Model Series Liquiphant FTL360 and FTL361.
-10	ALL	-	March 18, 1994 - Adhesive nameplate evaluation.
-11	ALL	-	December 19, 1994 - Ultrasonic transmitter, "Prosonic", Models FMU 860, FMU 861 and FMU 862.
-12	F1	-	January 25, 1995 - Ultrasonic sensors, Models "Prosonic" FDU 80 to FDU 85 and FDU 80F/81F.
-13	-	-	September 23, 1994 - Update to LR 52694-5, to cover alternate constructions.
-14	F1	-	August 31, 1994 - This report supersedes -1 and -2 and incorporates alternate potting compounds, PART A: Capacitance level switch, Model FTC730, PART B: Capacitive level switch, Model FTC830, PART C: Conductance or capacitance level switch, Model FTW420*, PART D: Capacitive level limit switch for bulk goods, Models FTC135Z and FTC335Z, PART E: Capacitance level limit switch, Model FTC420*, PART F: Capacitance level measurement module, Model FMC423*, PART G: Capacitance level measurement module, Model FMC423* PART H: Level indicator module, Model FMC380* PART I: Vibrating level limit switches, Models FTM230, FTM330 and FTM320, PART J: Bulk material flow detector, Models DTR131Z and DTR231Z.
-15	-	-	September 14, 1994 - Update to LR 52694-4, to cover alternate grounding method.
-16	ALL	-	February 9, 1995 - Adhesive nameplate evaluation.
-17	-	-	February 3, 1995 - Update to Reports -9 and -14 to cover report corrections.
-18	-	-	June 21, 1995 - Update to LR 52694-9 to cover alternate inserts.
-19	-	-	April 28, 1995 - Update to LR 52694-12 and -14, to cover report corrections.
-20C	-	-	September 6, 1995 - Update to -9 report to cover report corrections.
-21C	F1	-	December 20, 1995 - Update to -9 report to cover the addition of potting compound.
-24	-	-	May 29, 1996 - Addition of a new factory location (F2).
-26	F1	-	March 4, 1997 - Liquid limit switch, Model Liquiphant T FTL 260 and Liquiphant FTL 330L.
-27C	ALL	-	March 25, 1997 - Update to -5 report to cover addition of drawings.
-31C	F1	-	July 25, 1997 - Update to -9 report to cover addition and deletion of attachments.
-32C	F1	-	December 29, 1997 - Update to -12 report to cover the addition of Models FDU 80F/81F.
-34C	F1	-	August 23, 1999 - Documentation of Category Certification Program and update to the scope to cover non-metallic enclosure and other evaluations. November 24, 1999 - Addition of F2 to -9 and -11 reports. September 11, 2001 - Level switches for liquids, Models

Liquiphant FTL20-XXXX.
January 24, 2002 - Multiple Listing for Pepperl + Fuchs GmbH
(214007).
June 28, 2002 - Update to ML for Pepperl + Fuchs GmbH
(214007).
September 24, 2002 - Multiple Listing for Pepperl + Fuchs
GmbH (217606M) Supersedes Project 1338241.
October 24, 2003 - Update of report-1238461 to include model
FTL20 and FTL20H, both with temperature decoupling for
medium temperature of 150°C.

-1272986

-1338241

-1362283

-1491726

/aam



CERTIFICATION RECORD

The company named below has been authorized by CSA International to represent the products listed in this record as "CSA Certified" and to affix the CSA Mark to these products according to the terms and conditions of the CSA Service Agreement and applicable CSA program requirements (including additional Markings).

File No: 052694 C 000

Master Contract: 151079

Class No: 2252 03 PROCESS CONTROL EQUIPMENT

SUBMITTOR

Endress + Hauser GmbH + Co. KG
P.O. Box 1261, Hauptstrasse 1
Maulburg, Baden-Wuerttemberg 79690
Germany

FACTORY

Endress + Hauser GmbH + Co. KG
P.O. Box 1261, Hauptstrasse 1
Maulburg, Baden-Wuerttemberg 79690
Germany

October 24, 2003 (Replaces September 11, 2001)

Level switch for liquids Models

FTL20-XXXX AC or FTL20H-XXXXXXXX AC 2-wiere (19...253V ac, 50/60Hz)
FTL20-XXXX DC-PNP or FTL20H-XXXXXXXX DC-PNP (10...35v DC)
FTL20-XXXX AS-1 OR flt20h-xxxxx as-1 (26...32V dc)

The X... in the model designation refers to any combination of numeric character not effecting electrical rating.

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File No: 052694 C 000

Master Contract: 151079

Class No: 2252 83 PROCESS CONTROL EQUIPMENT Certified to US Standards

SUBMITTOR

Endress + Hauser GmbH + Co. KG
P.O. Box 1261, Hauptstrasse 1
Maulburg, Baden-Wuerttemberg 79690
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FACTORY

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File No: 052694 C 000

Master Contract: 151079

Class No: 2258 03 PROCESS CONTROL EQUIPMENT Intrinsically Safe and Non Incendive Systems - For Hazardous

SUBMITTOR

4500920 Endress + Hauser GmbH + Co. KG
P.O. Box 1261, Hauptstrasse 1
Maulburg, Baden-Wuerttemberg 79690
Germany

FACTORY

4500920 Endress + Hauser GmbH + Co. KG
P.O. Box 1261, Hauptstrasse 1
Maulburg, Baden-Wuerttemberg 79690
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October 24, 2003

Level switch for liquids Models

FTL20-XXXX AC or FTL20H-XXXXXX AC 2-wire (19...253V ac, 50/60Hz)
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File No: 052694 C 000

Master Contract: 151079

Class No: 2258 83 PROCESS CONTROL EQUIPMENT-Intrinsically Safe and Non-Incendive Systems- For Hazardous Locations-Certified to U.S. Standards

SUBMITTOR

4500920 Endress + Hauser GmbH + Co. KG
P.O. Box 1261, Hauptstrasse 1
Maulburg, Baden-Wuerttemberg 79690
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FACTORY

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October 24, 2003

Level switch for liquids Models

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