

# Schedule

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## EC-TYPE EXAMINATION CERTIFICATE No. DEMKO 06 ATEX 0615699

[15] Description of Equipment or protective system

The Smart Manometer, Models 350ATX and M2 Series are microprocessor based pressure-sensing devices that can be used to directly measure pressure. The 350 ATX and M2 Series are electronically identical.

The M2 Series is provided with an optional rubber boot.

These devices have been additionally evaluated to EN 60079-0:2006 and EN 60079-26:2004 and are now marked with the symbol Ex instead of EEx.

Temperature range

The ambient temperature range is -5 °C to +50 °C.

Electrical data

The devices are powered by four batteries in series and has been evaluated for use with the following:

Manufacturer	Part No.	Type
Duracell	MN1500	Alkaline
Duracell	PC1500	Alkaline
Varta	4906	Alkaline

Routine tests

None.

[16] Report No.

Project Report No.: 0615699 (Hazardous Locations Testing)  
0620278 (Hazardous Locations Testing)  
08NK05740 (Hazardous Locations Testing)

Drawings:

Number	Date	Description
9P000025, rev. B	2008-01-14	Label, 350 ATX
9P000074, rev A	2007-12-13	Label, M2 Series
9A000017, rev. A	2007-04-16	Battery compartment label
9P000057, rev. B	2007-04-05	Battery cover, M2 Series
9R000011, rev. IR	2006-06-06	Overlay, 350 ATX
9R000030, rev. A	2008-01-14	Overlay, M2 Series
9R000013, rev. C	2008-03-20	Main Assembly, 350 ATX
9R000029, rev. D	2008-03-20	Main Assembly, M2Series
9S000009, rev. A	2008-01-14	Schematic (Main PCB)
9B000006, rev. F	2008-04-01	Assembly/BOM (Main PCB)
9P000024PN01, rev. A	2007-03-06	Trace layout (Main PCB)

**UL International Demko A/S**

Lyskaer 8, P.O. Box 514  
DK-2730 Herlev, Denmark  
Telephone: +45 44856565  
Fax: +45 44856500

Certificate: 06 ATEX 0615699  
Report: 08NK05740

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Number	Date	Description
9P000024, rev. B	2007-03-05	PCB Bare Board (Main)
9S000010, rev. A	2008-01-14	Schematic (Sensor ADC)
9B000009, rev. B	2008-01-14	Assembly/BOM (Sensor ADC)
9P000022PN01, rev. A	2007-03-06	Trace layout (Sensor ADC)
9P000022, rev. B	2007-03-05	PCB Bare Board (Sensor ADC)
9S000011, rev. A	2008-01-14	Schematic (Dry Differential)
9B000010, rev. C	2008-03-06	PCB Assembly/BOM (Dry Differential)
9P000023, rev. C	2008-01-14	Trace layout (Dry Differential)
9S000024, rev. A	2008-01-14	Schematic (Wet Differential)
9B000025, rev. B	2008-03-06	PCB Assembly/BOM (Wet Differential)
9P000079, rev. A	2008-01-14	PCB Bare Board (Wet Differential)
9S000025, rev. A	2008-01-14	Schematic (SE Isolated)
9B000026, rev. D	2008-03-06	PCB Assembly/BOM (SE Isolated)
9P000080, rev. A	2008-01-14	PCB Bare Board (SE Isolated)
9S000012, rev. A	2008-01-14	Schematic (LCD)
9B000011, rev. A	2008-01-14	BOM (LCD)
9A000011, rev. IR	2006-06-06	LCD Assembly
9R000012, rev. C	2008-03	Instruction Manual, 350 ATX
9R000045, rev. C	2008-03	Instruction Manual, M2 Series
9R68, rev. A	2008-03	Instruction Manual, M2 Series
9R000056, rev. IR	2007-04-25	Intrinsic Safety Control Document, Series M2 (Model M202)

[17] Special conditions for safe use:

- The devices are marked: "Warning: Do not remove batteries in a potentially explosive atmosphere".
- The devices are for use with the following batteries: Duracell Part Numbers MN1500 and PC1500 and Varta Part Number 4906.

[18] Essential Health and Safety Requirements

Concerning ESR this Schedule verifies compliance with the Ex standards only. The manufacturer's Declaration of Conformity declares compliance with other relevant Directives.

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Additional information

The Models 350ATX and M2 Series have in addition passed the tests for Ingress Protection to IP 40 in accordance with EN60529: 1991/A1 2001.

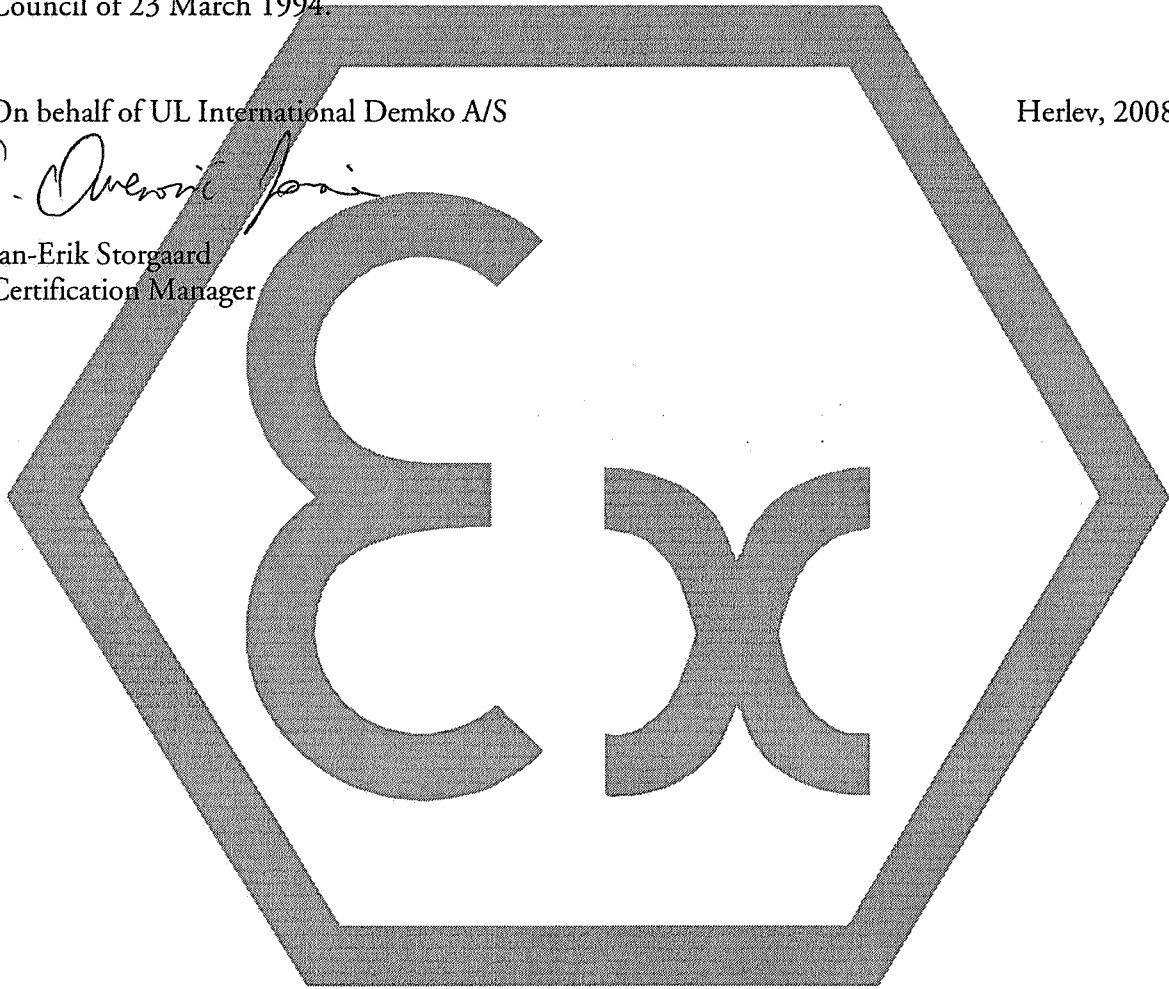
The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in ANNEX III to Directive 94/9/EC of the European Parliament and the Council of 23 March 1994.

On behalf of UL International Demko A/S

Herlev, 2008-04-10



Jan-Erik Storgaard  
Certification Manager



**UL International Demko A/S**

Lyskaer 8, P.O. Box 514  
DK-2730 Herlev, Denmark  
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