



[13] Schedule

[14] EC-TYPE EXAMINATION CERTIFICATE No.

DEMKO 00 ATEX 129255

[15] Description of Equipment:

Model 144H is a PC-Programmable Transmitter converting variation of resistance to standard analogue current signals. By use of a PC and an Ex-certified communication interface, the set-up parameters can be changed.

The Model 144H has five terminals. Number 1 and 2 for current loop input and supply. Terminal 3, 4, and 6 for sensor input.

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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.

[17] Special conditions for safe use:

- For correct use and installation the manufacturer's manual must be followed.
When programming the Transmitter by PC and Configuration Interface 144C, the intrinsically safe data shall be observed.
- The apparatus must be installed in an enclosure with an Ingress Protection of at least IP 20.
- The terminals 1 and 2 of the equipment have to be electrically connected to a barrier located in the non hazardous area.
- The transmitter may only be used with transducers complying with "Simple Apparatus" according to EN 50020 §5.4.

- **Intrinsically safe specifications**
Signal Output/Supply. Terminal 1 to 2
 U_i : 28V
 I_i : 120mA
 P_i : 0,84W
 L_i : 10 μ H
 C_i : 1,0nF

- Temperature class and ambient temperature
T4: $-40^\circ\text{C} < T_a < 85^\circ\text{C}$
T6: $-40^\circ\text{C} < T_a < 60^\circ\text{C}$

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Notified body: UL International Demko A/S, P. O. Box 514, Lyskaer 8, DK-2730 Herlev, Denmark,
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[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.

On behalf of UL International Demko A/S

Herlev, 2000-02-19

Steen Lumby
Certification Manager

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