

Supplement 3 to EC-TYPE EXAMINATION CERTIFICATE

- [14] **EC-TYPE EXAMINATION CERTIFICATE No** **Nemko 03ATEX110X**
[15] **Description of Equipment or Protective System**

The Supplement concerns new updated models new terminal board/main electronic board and new transmitter board.
The changes concern all models D3I... and Logix 800 as specified in this Supplement.
The safety parameters are changed and according to the listed values.

Type Designations and Model Codes.

D3I abcdefghijkl

The additional letters and digits in the type reference concern different accessories and functions of the instrument.

- a: Air pipe connection thread type,
- b: Surface treatment,
- c: Function,
- de: Spindle,
- fgh: Cover and indicator,
- i: Temperature/Seals,
- j: Input signal/protocol: 4, 5
 - 4: 4-20mA
 - 5: 4-20mA Hart
- k: Feedback option
 - X: no option
 - S: Limit switch MEC + 4-20mA
 - N: Limit sensors NAM + 4-20mA
 - P: Limit switches PXY + 4-20mA
 - T: 4-20mA transmitter only
- l: Accessories:
 - X: No accessories
 - M: Gauge block

Logix 810-02-abcdefghijklmn (4-20mA version)

Logix 820-02-abcdefghijklmn (4-20mA Hart version)

The additional letters and digits in the type reference concern different accessories and functions of the instrument.

- a: Housing, surface treatment.
- b: Threaded connection.
- cd: Spindle
- e: Operating temperature
- f: Language display
- g: Cover and indicator,
- h: Special options,
- i: limit switches and feedback option
 - T: 4-20mA position feedback + alarm
 - 0 : No switches
 - 1: Limit switch MEC + 4-20mA
 - 2: reed switch + 4-20mA
 - 3: Namur V3 type prox switch P+F NJ2-V3-N
- lm: Auxiliary options:
 - XX: No manifold
 - GM: Gauge manifold
- n: Gauge options
 - 0 No gauges

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Safety Data for External Connections

4-20mA input signal & Hart . Terminals no. 1, 2

Maximum input voltage.	U _i :	28V
Maximum input current.	I _i :	93mA
Maximum input power.	P _i :	653mW
Maximum internal capacitance.	C _i :	11,28nF
Maximum internal inductance.	L _i :	11,28μH

Switches, Mechanical or Proximity. Terminals 3-5, 6-8 or 4-5, 7-8

Maximum input voltage.	U _i :	28V
Maximum input current.	I _i :	45mA
Maximum input power.	P _i :	315mW
Maximum internal capacitance.	C _i :	1nF
Maximum internal inductance.	L _i :	1μH

Switches, Mechanical or Proximity with isolator barriers. Terminals 3-5, 6-8

Maximum input voltage.	U _i :	10,6V
Maximum input current.	I _i :	29,7mA
Maximum input power.	P _i :	79mW
Maximum internal capacitance.	C _i :	1nF
Maximum internal inductance.	L _i :	1μH

Namur switch and isolator barrier. Terminals 3-4, 6-7

Maximum input voltage.	U _i :	10,6V
Maximum input current.	I _i :	29,7mA
Maximum input power.	P _i :	79mW
Maximum internal capacitance.	C _i :	35nF
Maximum internal inductance.	L _i :	50μH

4-20mA Output - Terminals 9-10

Maximum input voltage.	U _i :	28V
Maximum input current.	I _i :	93mA
Maximum input power.	P _i :	653mW
Maximum internal capacitance.	C _i :	16,4nF
Maximum internal inductance.	L _i :	11,28μH

Alarm. Terminals 11-12

Maximum input voltage.	U _i :	28V
Maximum input current.	I _i :	45mA
Maximum input power.	P _i :	315mW
Maximum internal capacitance.	C _i :	5,7nF
Maximum internal inductance.	L _i :	11,28μH

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[16] **Report No. 64145** and descriptive documents listed in the document:
D3I Technical File Content 2007-01-12 Revision B

[17] **Special Conditions for Safe Use**

As specified in the previous Schedule and Supplement 1 to the Certificate

[18] **Essential Health and Safety Requirements**

See item 9

Oslo, 2007-01-17



Rolf Hoel
Certification Manager, Ex-products

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