

(1) **EC-TYPE EXAMINATION CERTIFICATE**

(2) Equipment or protective system intended for use in potentially explosive atmospheres - Directive 94/9/EC

(3) EC-Type Examination Certificate Number: **KEMA 04ATEX2010**

(4) Equipment or protective system: **Multiplexer Model MUX02EX with Multipoint Temperature Probe Series TT**

(5) Manufacturer: **SGM Lektra S.r.l.**

(6) Address: **Via Papa Giovanni XXIII, 49, I-20090 Rodano Millepini (MI), Italy**

(7) This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) KEMA Quality B.V., notified body number 0344 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the directive.

The examination and test results are recorded in confidential report no. 2031800.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 50014 : 1997

EN 50281-1-1 : 1998

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment or protective system according to the Directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

(12) The marking of the equipment or protective system shall include the following:



II 2(1) D IP 66 T 125 °C (Multiplexer Model MUX02EX)
II 1 D IP 66 T 125 °C (Multipoint Temperature Probe Series TT)

Arnhem, 8 March 2004
 KEMA Quality B.V.



C.G. van Es
 Certification Manager

* This Certificate may only be reproduced in its entirety and without any change

SCHEDULE

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(15) **Description**

Multiplexer Model MUX02EX with Multipoint Temperature Probe Series TT, for temperature measurement in silos or sheds.

Ambient temperature range:

- Multiplexer MUX02EX: -20 °C to +70 °C
- Multipoint Probes Series TT: -30 °C to +125 °C

The maximum surface temperature of the enclosure T 125 °C is based on a maximum ambient temperature of +70 °C (for MUX02EX) and +125 °C (for TT).

Electrical data

Multiplexer MUX02EX:

Power supply: 230 V, 50 Hz, 15 W max.
 Data output: RS 485
 Data input: only for connection to Multipoint Temperature Probe Series TT

Multipoint Temperature Probe Series TT:

To be connected by a 3-wire shielded cable to the MUX02EX Multiplexer input channels.

Installation instructions

The cable entry devices and blanking elements shall be certified and shall provide a degree of ingress protection of at least IP 66 according to EN 60529.

Routine tests

None.

(16) **Report**

KEMA No. 2031800.

(17) **Special conditions for safe use**

None.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at (9).

(19) **Test documentation**

Document No.		<u>dated</u>
	DA03001A	10.03.2003
	DA03002A-Ex	06.11.2003
	SC03003A-Ex	06.11.2003
	350A010A-Ex	06.11.2003
	DT03002A-Ex (4 sheets)	07.11.2003
	530A076A-Ex (3 sheets)	06.11.2003
	SC03005A-Ex	06.11.2003
	370A003B SLE	24.03.2003
	370A003B-Ex (2 sheets)	06.11.2003
	SC03004A-Ex	06.11.2003
	340A004L-Ex (2 sheets)	06.11.2003

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		<u>dated</u>
Document No.	340A004L SLE	24.03.2003
	DA03003A	06.11.2003
	850B010A-Ex	06.11.2003
	490B026C-Ex (2 sheets)	06.11.2003
	850B011A-Ex	06.11.2003
	850B012A-Ex	30.01.2004
	DT03003A-Ex	06.11.2003
	530A078A-Ex (3 sheets)	06.11.2003
	530A077B-Ex (3 sheets)	06.11.2003