Translation

(1) EC-Type-Examination Certificate

(2) Equipment and protective systems intended for use in potentially explosive atmospheres, **Directive 94/9/EC**

(3)	**Certificate Number**	**TÜV 13 ATEX 132121**
(4)	for the equipment:	Overfill Prevention Controller type EUS-2
(5)	of the manufacturer:	H. Timm Elektronik GmbH
(6)	Address:	Humboldtstr. 29 21509 Glinde Germany
	Order number:	8000427833
	Date of issue:	2014-02-26

(7) The design of this equipment or protective system and any acceptable variation thereto are specified in the schedule to this EC-Type-Examination Certificate and the documents therein referred to.

(8) The TÜV NORD CERT GmbH, notified body No. 0044 in accordance with Article 9 of the Council Directive of the EC of March 23, 1994 (94/9/EC), 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 the confidential report No. 13 203 132121.

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

EN 60079-0:2012
EN 60079-5:2007
EN 60079-7:2007
EN 60079-11:2012

(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 in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

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

II 2 [1] G Ex e ib q [ia Ga] IIB T4 Gb

TÜV NORD CERT GmbH, Langemarckstraße 20, 45141 Essen, notified by the central office of the countries for safety engineering (ZLS), Ident. Nr. 0044, legal successor of the TÜV NORD CERT GmbH & Co. KG Ident. Nr. 0032

The head of the notified body

Meyer

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(13) **SCHEDULE**

(14) **EC-Type-Examination Certificate No. TÜV 13 ATEX 132121**

(15) Description of equipment

The EUS-2 Controller builds up the loading terminal's part of the overfill prevention system according to EN13922. It's used during filling process of tank trucks with otto engine fuel resp. diesel fuel at fuel depots or refinery. The controller connects using a multi-pole cable with the tank truck and permanently monitors the level sensors of tank compartment as well as the status of simultaneously established grounding connection. The release of filling process will be established if all preconditions have been reached. It will be optically indicated of the device's front panel and by electric outputs signal used for automated control of the filling process.

Specification:

Power supply	
Type of protection:	Ex e
Supply voltage:	230V±10% 50-60Hz ca. 25VA
Control outputs:	2 potential-free closing contacts and 2 potential-free change over contacts
Type of protection:	Ex e
Switching power:	250 VAC, 3A, 100VA
Tank trucks circuits:	
Type of protection:	Ex ia
Maximum ratings:	$U_o \leq 12.7V$, $I_o \leq 129mA$, $P_o \leq 360mW$
Characteristic curve:	linear C_o negligible small L_o negligible small
Maximum cable length:	50m
Signal outputs:	2 NAMUR-transistor outputs
Type of protection:	Ex ib
Maximum ratings:	$U_i \leq 15V$, $I_i \leq 20mA$, $P_i \leq 300mW$ C_i negligible small L_i negligible small
Data interface:	
Type of protection:	Ex ib
Maximum ratings:	$U_i \leq 15V$, $I_i \leq 175mA$, $P_i \leq 2.4W$ Only allowed to connect to TExi-Bus
Size (w x l x h):	215mm x 475mm x 120mm
Weight:	ca. 10kg
Ingress protection:	IP66

Allowed ambient temperature range: -40°C to +60°C

Schedule EC-Type Examination Certificate No. TÜV 13 ATEX 132121

(16) Test documents are listed in the test report No. 13 203 132121

(17) Special conditions for safe use

none

(18) Essential Health and Safety Requirements

no additional ones