

Type Approval Certificate

This is to certify that the undernoted products have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

This certificate is issued to:

PRODUCER	Murco Gas detection Solutions
PLACE OF PRODUCTION	114A George Street Lower Dun Laoghaire Co. Dublin Irish Republic
DESCRIPTION	MGD series fixed gas leak monitor
TYPES	MGD 1S 1L, MGD 1S 2L, MGD 2S 1L, MGD 2S 2L, MGD 4S 1L, MGD 4S 2L, MGD 6S 1L and MGD 6S 2L Used with sensor types: STANDARD, IP66, PRV/IP66, EXD, EXD REMOTE/IP66 and DUCT IP66
APPLICATION	For use in environmental categories ENV1 and ENV2 as defined in Lloyd's Register Type Approval System Test Specification No. 1: 2002.

"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."

The Design Appraisal Document No. 13/00001 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No.	13/00001
Issue Date	14 January 2013
Expiry Date	13 January 2018
Sheet	1 of 1

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DESIGN APPRAISAL DOCUMENT

Date 14 January 2013	Quote this reference on all future communications LDSO/ETS/TPP/WP9878759/W02943468
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LLOYD'S REGISTER TYPE APPROVAL SYSTEM, 2002.

Issued to: MURCO GAS DETECTION SOLUTIONS

for: MGD SERIES FIXED GAS LEAK MONITOR

TYPE APPROVAL CERTIFICATE No. 13/00001

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval System, 2002 and this Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Request Form	01 Mar 2011
MGD general specification	Undated
MGD – Murco gas detector / Monitor Installation & operation 08 ASH(1)	Undated
Murco email message	31 Aug 2012
Murco email message regarding monitor types	23 Oct 2012
Murco email message regarding sensor tests	26 Nov 2012

DATASHEETS

Murco gas detector datasheet	23 Jun 2010
MGD datasheet	Undated

CERTIFICATES

NSAI ISO 9001:2008 registration number 19.5006	24 Dec 2010
SIRA 58D29648A	10 Jan 2013
SIRA 08ATEX1056 issue 1	Undated

TEST REPORTS

CEI test report 10E3163-1	Jan 2011
CEI test report 11E3778-1	Jan 2012
CEI test report 11E3778-2A	Aug 2012
CEI test report 11E3778-2B	Aug 2012
Anecto test report A-000J07721-1	28 Aug 2012
Anecto test report A-000J07721-2	28 Aug 2012

Supplementary Type Approval Terms and Conditions

Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.

Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.

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Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the Lloyd's Register Type Approval System Procedure.



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