

ZERTIFIKAT CERTIFICATE

Nr./No. 968/EZ 305.00/08

Prüfgegenstand Product tested	Infra red flame detector	Zertifikatsinhaber Holder of the certificate	Spectrex Inc. 218 Little Falls Road 1 Cedar Grove NJ 07009 United States of America
Typbezeichnung Type designation	Sharpeye 20/20 XIS/SIS/SHS	Verwendungszweck Intended application	Detection of hydrocarbon and hydrogen flames
Prüfgrundlagen Codes and standards forming the basis of testing		EN 61508:2000 - SIL 2 EN 54-10:2002 - Chapter 5.7 - 5.9; 5.13 - 5.15; 5.17 EN 50130-4:2003	
Prüfungsergebnis Test results	The Sharpeye 20/20 XIS/SIS/SHS is suitable for safety related applications in accordance with IEC 61508 up to Safety Integrity Level 2.		
Besondere Bedingungen Specific requirements	The safety notes in the User's and Maintenance Manuals of the Sharpeye 20/20 XIS/SIS/SHS shall be considered.		



Der Prüfbericht-Nr.: 968/EZ 305.00/08 vom 03.07.2008 ist Bestandteil dieses Zertifikates.

Der Inhaber eines für den Prüfgegenstand gültigen Genehmigungs-Ausweises ist berechtigt, die mit dem Prüfgegenstand übereinstimmenden Erzeugnisse mit dem abgebildeten Prüfzeichen zu versehen.

The test report-no.: 968/EZ 305.00/08 dated 2008-07-03 is an integral part of this certificate.

The holder of a valid licence certificate for the product tested is authorised to affix the test mark shown opposite to products which are identical with the product tested.

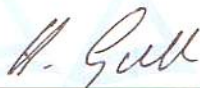
TÜV Rheinland Industrie Service GmbH
Geschäftsfeld ASI

Automation, Software und Informationstechnologie
Am Grauen Stein, 51105 Köln
Postfach 91 09 51, 51101 Köln

2008-07-03

Datum/Date

Firmenstempel/Company Seal


 Dipl.-Ing. Heinz Gall

LICENCE CERTIFICATE

for TÜV Rheinland Test Mark

No. 968/EZ 305.00/08

Licence Holder:		Spectrex Inc. 218 Little Falls Road 1 Cedar Grove NJ 07009 United States of America	
Manufacturer:		Spectrex Inc. 218 Little Falls Road 1 Cedar Grove NJ 07009 United States of America	
Date of Application:	File Ref.:	Date of Issue:	
2008-04-28	968/EZ 305.00/08	2008-07-03	
Description:	Flame detectors for detection of hydrocarbon and hydrogen flames		Annual Fee-Units
Product tested:	Sharpeye 20/20 XIS, SIS, SHS		
Safety level:	up to SIL 2 according to IEC 61508		
Supply voltage:	18 - 32 VDC		
Consumption:	max. 200 mA		
Output data:			
- Relay contacts	max. 30 VDC/0,25 A		
- 4 - 20 mA	BIT-Failure:	2 mA	
	Normal:	5 mA	
	Warning:	10 mA	
	Alarm:	15 mA	
Yearly fee:			4
The test samples	<input checked="" type="checkbox"/>	will be kept by TÜV Rheinland Industrie Service GmbH	
	<input type="checkbox"/>	will be kept by the Licence Holder for the disposal of TÜV Rheinland Industrie Service GmbH	
Special Remarks:			
See test report-no.: 968/EZ 305.00/08 and certificate no. 968/EZ 305.00/08 dated 2008-07-03			

Test Mark:



The Licence for the using of the TÜV Rheinland Test Mark is only valid for the licence holder and can only be transferred from TÜV Rheinland Industrie Service GmbH to third persons.

The right for the using of the Test Mark is restricted to such products which are described and are examined by TÜV Rheinland Industrie Service GmbH appropriately.

In addition, all regulations of the General Contract are also valid for the licence.

This Licence certificate has to be given back to TÜV Rheinland Industrie Service GmbH if it is being declared as invalid.

TÜV Rheinland Industrie Service GmbH

Geschäftsfeld ASI

Automation, Software und Informationstechnologie

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2008-07-03

Date

Company seal



Dipl.-Ing. Heinz Gall