



EC - TYPE EXAMINATION CERTIFICATE

**Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

- 3 EC - Type Examination Certificate Number: **Baseefa08ATEX0278X**
- 4 Equipment or Protective System: **22051EISE Photo/Optical Detector**
- 5 Manufacturer: **Pittway Technologica S.r.l.**
- 6 Address: **Via Caboto 19/3, 34147 Trieste, 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 Baseefa, Notified Body number 1180, 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. **GB/BAS/ExTR08/0198/00**
- 9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN60079-0: 2006 EN60079-11: 2007 EN 60079-26: 2007
except in respect of those requirements listed at item 18 of the Schedule.
- 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 and construction of the specified equipment or protective system. 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 :

Ex II 1G Ex ia IIC T5 / T4 Ga (-20°C ≤ Ta ≤ 40°C / 60°C)

This certificate may only be reproduced in its entirety, without any change, schedule included.

Baseefa Customer Reference No. **5350**

Project File No. **08/0276**

This certificate is granted subject to the general terms and conditions of Baseefa. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

Baseefa

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R S SINCLAIR
DIRECTOR
On behalf of
Baseefa



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Schedule

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Certificate Number Baseefa08ATEX0278X

15 Description of Equipment or Protective System

The 22051EISE Intelligent Photo/Optical Smoke Detector is designed to detect the presence of smoke within a photo electronic sensing chamber and provide a local alarm indication by two LEDs and an alarm signal for connection to a remote control panel via a dedicated Galvanic Isolator with an IST200 Translator Module. Two rotary decade address switches are provided to set the sensor address between 00 and 99. The Detector may be tested for correct operation by use of an external test magnet which actuates an internal reed switch. The Smoke Detector is mounted on a fixed Base Unit Type B501AP which contains the field terminals for connection to the Galvanic Isolator and / or a subsequent Smoke Detector in the daisy chain.

The Smoke Detector comprises an outer plastic cover which has four openings which are protected by a wire gauze screen which permits smoke particles to enter the sensing chamber. Two LEDs are visible externally and provide the local alarm indication. The electronic components are mounted on the underside of a single printed circuit board. Three spring connectors pass the connections between the fixed base unit and the Smoke Detector. The rotary decade address switches are set on installation and are only accessible when the Smoke Detector is separated from the fixed base unit.

$$U_i = U_o = 28V$$

$$I_i = I_o = 94mA$$

$$P_i = P_o = 0.7W$$

$$C_i = 0 \quad L_i = 0$$

16 Report Number

GB/BAS/ExTR08/0198/00

17 Special Conditions for Safe Use

1. The 22051EISE Intelligent Photo/Optical Smoke Detector is considered to present an electrostatic hazard and must not be rubbed or cleaned in a hazardous area. A Warning Label is attached:- "Warning Electrostatic Hazard. Do not clean with a dry cloth"

18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

19 Drawings and Documents

Document No.	Sheets	Document Title	Issue	Date
R12-0196-000	1	Reference Drawing 22051EISE	A	13/05/08
X70-3204-000	1	200S Photo DET IS RLI Assembly Drawing	A	13/05/08
X70-3152-000	1	200S Photo DET IS SMD Assembly Drawing	B	04/09/08
X70-3153-000	1	200S Photo DET IS Manual Assembly Drg	A	13/05/08
R12-0195-000	1	22051EISE Copper/Component Layout	B	04/09/08
P30-796-000	1-6	Artwork 22051EISE	E3	04/09/08
R12-194-000	1	Schematic 22051EISE	C	09/10/08
R12-194-000	2	Schematic 22051EISE	C	09/10/08
B60-796-000	1	Pcb 200 Series Intrinsically Safe Detector	E3	04/09/08
L00-0968-000	1	Top Label 22051EISE	B	08/10/08

These drawings are common to and are held with IECEx BAS 08.0092X.