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## **Schedule**

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**Certificate Number BAS21UKEX0575X - Issue 1**

**15 Description of Product**

The IRwin SX\* is a portable battery powered gas detector intended for detection of various gas types, dependent upon variant, and is fitted with internal pumps for sampling via the hand probe. Measurements are shown via the integrated LCD screen and are additionally stored for later retrieval or may be transmitted via a Bluetooth connection.

The equipment consists of a PCB featuring numerous components, an LCD screen with accompanying buttons for interface purposes, secondary lithium-ion cells with small solenoids and DC pumps for gas sampling all housed within a static dissipative plastic enclosure.

The hand-probe is connected to the sample inlet connector whilst a charger/serial port connector allows for the internal batteries to be recharged or for data retrieval. The charger/serial port is not used in the hazardous area.

The IRwin SX\* models covered by this certificate are as follows:

IRwin SX	CH <sub>4</sub>
IRwin SXT	As SX + O <sub>2</sub> , H <sub>2</sub> S, CO
IRwin SXG	As SX + gas chromatograph
IRwin SXGT	As SXT + gas chromatograph

**16 Report Number**

See Item 20 – Certificate History

**17 Specific Conditions of Use**

1. Battery charging and data transfer may only be performed in the non-hazardous area. Only the *Certified IRwin Charging Adaptor* (P/N-580-604) may be connected to the IRwin SX\* for battery charging or data transfer.
2. The Irwin SX\* must not be used in any environment that may expose the equipment to acetylene.

**18 Essential Health and Safety Requirements**

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

<b>Clause</b>	<b>Subject</b>	<b>Compliance</b>
13	LVD type requirements	Manufacturer responsibility
14	Overloading of equipment (protection relays, etc.)	User/Installer responsibility
21 (1)	External effects	User/Installer responsibility
21 (2)	Aggressive substances, etc.	User/Installer responsibility

**19 Drawings and Documents**

Other than for Issue 0, Drawings and Documents that are introduced at a new edition of the certificate are marked with an asterisk symbol:

<b>Number</b>	<b>Sheet</b>	<b>Issue</b>	<b>Date</b>	<b>Description</b>
5559	1 & 2	B	22-03-14	Plastic Housing, Front
5560	1 of 1	B	22-03-14	Plastic Housing, Back
8994-1	1 of 1	A	21-09-29	IRwin Labels

## **20 Certificate History**

<b>Certificate No.</b>	<b>Date</b>	<b>Comments</b>
BAS21UKEX0575X Issue 0	14 March 2022	Prime Certificate Report Number: GB/BAS/ExTR22.0049/00 Project Number: 21/0370  Original issue of the certificate
BAS21UKEX0575X Issue 1	21 May 2024	To permit minor electrical and mechanical changes, including introducing a Backup Power adaptor, changes to the Certified IRwin Charging Adaptor and to introduce alternative gas sensor types.  Report Number: GB/SGS/ExTR24.0080/00 Project Number: 23/0512.
For drawings applicable to each issue, see original of that issue.		