

Explosion Proof Keyboard

Armadex Ex BT-Key-02

ATEX/IECEX Zone 2 & 22
Class I/II, Division 2



Key Benefits

- Available in two versions
 - ATEX and IECEx Zone 2 & 22
 - Class I Div 2 and Class II Div 2
- For Windows, Android, MacOS
- Including charger
- Resistant to dirt, dust, water, ice and corrosives
- Bluetooth connection
- Extremely rugged and lightweight
- Long battery life



Rechargeable Bluetooth Keyboard

The Armadex Ex BT-Key-02 is a rechargeable Bluetooth keyboard. Ex BT-Key-02 is a perfect fit for the oil and gas-, pharmaceutical-, chemical- and food industry. This Ex keyboard is based on iKey's rugged industrial design and compatible with Windows 7, 8, 9, 10, 11 and Android. The Ex keyboard can be paired with desktop PC's, laptops, Android tablets and Android Phones. The keyboard has a built-in touchpad and is made of industrial silicone rubber and a rugged ABS polycarbonate case. Another strength is the ease of use; pair the keyboard with one press of a button, in less than 30 seconds.

Explosion Safety Specifications ATEX and IECEx

EU Directive	2014/34/EU (ATEX 114)
ATEX Certificate	KSCP 24ATEX0009 X
ATEX Marking Gas	II 3G Ex ic IIC T6 Gc
ATEX Marking Dust	II 3D Ex ic IIIB T85°C Dc
IECEx Certificate	<u>IECEx KSCP 24.0011X</u>
IECEx Marking Gas	Ex ic IIC T6 Gc
IECEx Marking Dust	Ex ic IIIB T85°C Dc

Explosion Safety Specifications US/Canada

NEC500	Intertek ETL 5031862
Marking Gas	Class I Div 2, Group ABCD, T6
Marking Dust	Class II Div 2, Group G, 85 °C
Conforms to	ANSI/UL Std. 60079-0, ANSI/UL Std. 60079-11 ANSI/UL Std. 61010-1
Certified to	CAN/CSA Std. C22.2 No. 60079-0, CAN/CSA Std. C22.2 No. 60079-11, CAN/CSA Std. C22.2 No. 61010-1

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Armadex Ex BT-Key-02 Characteristics

The Armadex Ex BT-Key-02 is a truly compact model, measuring only 30.5 centimeters in width and 19.5 centimeters in length. The feet of the device are made from rubber, therefore the keyboard won't slip when placed on most surfaces. Due to its design, the fully sealed keyboard does not collect dust or moisture between or under the keys. Innovative feature: the special clean mode which is designed to make cleaning the keyboard extremely easy and efficient. By activating the clean mode, all keys are temporarily disabled, allowing users to wipe down (with disinfectants) the keyboard without triggering any unwanted actions. Charging and other maintenance must be done outside of the hazardous area.

Battery Life

The Rechargeable Lithium Ion Battery is combined with several power saving features in order to get the longest battery life. Sleep mode turns on after approximately 30 minutes, ensuring the battery does not drain when the device is not being used. In sleep mode, the Explosion Safe keyboard is put into a low power state, ensuring that the device can be quickly used again. The expected battery life during average use is 3 weeks.

Wireless functionality

Wireless Bluetooth connection may be established and utilized over a maximum distance of 10 (30 ft.) meters between the Ex keyboard and the paired device. The signal will pick up automatically after moving out of range, once you are close enough to the host device. When this fails, it is advised to pair the devices once more.

Signal LEDs

The explosion proof keyboard is equipped with several Signal Leds. These LEDs indicate: low battery, charging modus, Scroll Lock (enables to scroll without a mouse, using the up, down, left and right arrow keys), Num Lock, Bluetooth, Power (on/off) and finally, Caps Lock.

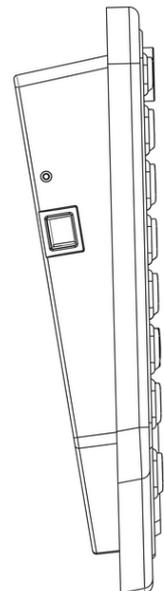
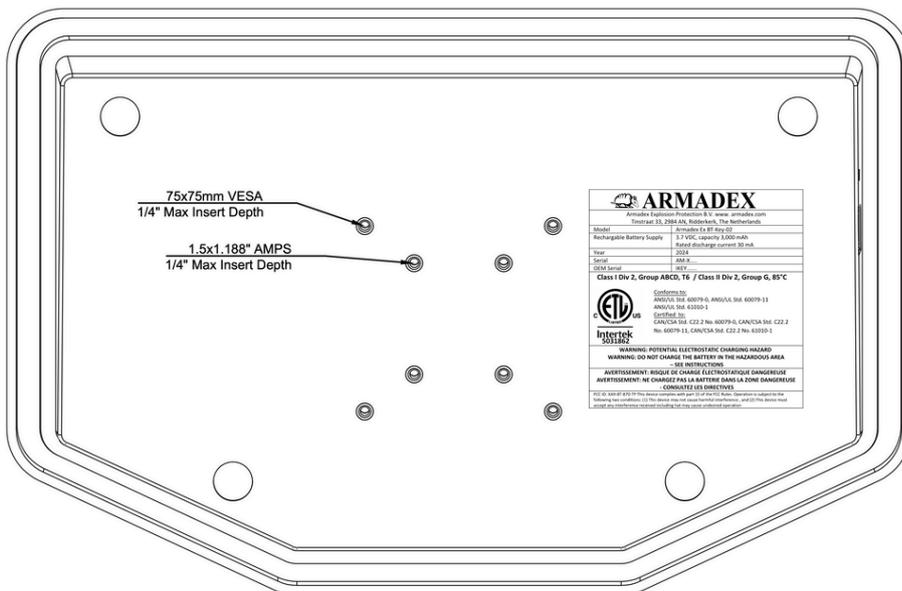
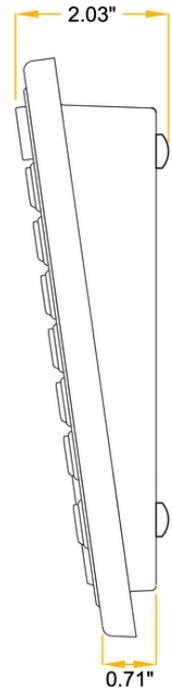
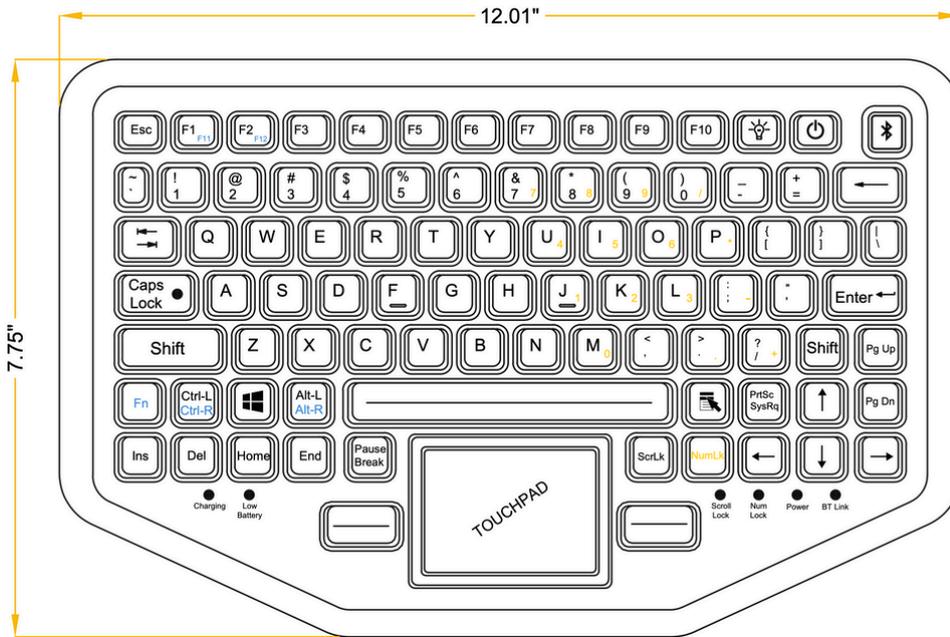
Shock	3x11 ms pulses of 50g on each of 3 axis	
Key Switch	Material	Industrial Silicone Rubber LIFE: Greater than 10 million cycles
	Travel	0.055"
	Actuation Force	7.05 oz +/- 1.06 oz (200g +/- 30g)
	Feedback	Tactile with Mechanical Snap
Power	Rechargeable Lithium Ion Battery	
Compatibility	All Windows Operating Systems and Android	

Temperature Range	Storage	-40F to +158F (-40C to +70C)
	Operating	32F to +140F (0C to +60C)
Weight	1.2 +/- 0.10 lbs (0.54 +/- 0.05kg)	
Warranty	1 Year	
Humidity	100% Humidity Resistant	
Dimensions	30.5 x 19.5 x 5 cm	
Model Number	Armadex Ex BT-Key-02	

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IECEX Quality Assessment Report Summary
INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres

Order Ref No: **KSCPOLAND0205030**
QMS File Ref No: **KSCPOLAND0205030**

Location(s) notified: **Armadex Explosion Protection B.V.**
Tinnenstraat 33,
Ridderkerk, 2984 AN,
Netherlands

Issuing ECEx: **KSCP - KSCP POLAND Sp. z o.o.**
Manufacturer: **Armadex Explosion Protection B.V.**
Tinnenstraat 33,
Ridderkerk, 2984 AN,
Netherlands

Location of Manufacturer: **Netherlands**

Product information: **Keyboards**
Type of protection: **Intrinsic safety "i"**
Related QMS:

Related Certificates (manual insertion):
IECEX KSCP 24 0517X issue 0

Related Certificates for previous versions:
Initial assessment

Comments: **Initial assessment**

KSCP POLAND Sp. z o.o.

TYPE EXAMINATION

(1) **Product model / product:** **Armadex BT-Key-02**

(2) **Equipment or Protective System Description:** **Explosion Proof Bluetooth Keyboard**

(3) **Type Examination Certificate No.:** **KSCP 24 0517X**

(4) **Product:** **Bluetooth Keyboard**

(5) **Manufacturer:** **Armadex Tinnenstraat**

(6) **Address:** **Armadex Explosion Protection B.V. Tinnenstraat 33, 2984 AN, Ridderkerk, The Netherlands**

(7) **This product and any acceptable variants and the documents therein referred to, are in conformity with the requirements of the Health and Safety Requirements relating to use in potentially explosive atmospheres, European Parliament and of the Council. The examination and test results are the responsibility of the manufacturer.**

(8) **Compliance with the Essential Health and Safety Requirements of the ATEX Directive 2014/54/EU**

(9) **EN IEC 60079-0:2018**

(10) **If the sign "X" is placed after the certificate number, the specific conditions of use specified in the certificate apply.**

(11) **This Type Examination Certificate relates to the equipment and not to specific terms of use.**

(12) **The marking of the product shall include:**

ATEX Marking: II 30 Ex I, IIC T8 Gc, I

IECEX Marking: IIC Ex I, IIC T8 Gc, I

Signature: *[Signature]*

KSCP POLAND Sp. z o.o., Chorzowska 10, 43-200 Ślęza 10, Poland

EU Declaration of Conformity
No. AM-X23ATEX2500X
In accordance with EN ISO/IEC 17065:2015

UK CA

ARMADEX

Declaration of Conformity
No. AM-X23UKEX2500X
In accordance with BS EN ISO/IEC 17065:2015

1. **Product model / product:** **Explosion Proof Bluetooth Keyboard**

2. **Manufacturer:** **Armadex Explosion Protection B.V.**

3. **Address:** **Tinnenstraat 33, 2984 AN, Ridderkerk, The Netherlands**

4. **This declaration of conformity is issued under the sole responsibility of the manufacturer.**

5. **Object of the declaration:** **Explosion Proof Bluetooth Keyboard**

6. **References to the relevant harmonized standards used or references in relation to which conformity is declared:**

Reference & Date	Title
EN IEC 60079-0:2018	Explosive atmospheres - Part 0: Equipment
EN 60079-11:2012	Explosive atmospheres - Part 11: Equipment
IEC 60079-11:2023	Explosive atmospheres - Part 11: Equipment

7. **Additional information:** **On the equipment data is voluntary assessment was carried out by ATEX. Result of this assessment can be found in the document KSCP 24 0517X. Specific conditions of use are specified in the accompanying user manual. The marking of the product shall include the ATEX marking as described in the user manual.**

Signed for and on behalf of: **Armadex Explosion Protection B.V.**

Place of issue: **Ridderkerk, The Netherlands**

Date of issue: **16-11-2023**

Name: **G. A. van Tienhoven, MSc. of Engineering**

Function: **Managing Director, IECEx Certified Person**

Signature: *[Signature]*

UK CA

ARMADEX

Declaration of Conformity
No. AM-X23UKEX2500X
In accordance with BS EN ISO/IEC 17065:2015

1. **Product model / product:** **Explosion Proof Bluetooth Keyboard**

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Signed for and on behalf of: **Armadex Explosion Protection B.V.**

Place of issue: **Aberdeen, UK**

Date of issue: **16-11-2023**

Name: **G. A. van Tienhoven, MSc. of Engineering**

Function: **Managing Director, IECEx Certified Person**

Signature: *[Signature]*

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Total Quality Assured.

AUTHORIZATION TO MARK

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listed models identified on the correlation page of the Listing Report.

This document is the property of Intertek Testing Services and is not transferable. The certification mark(s) may be applied only at the location of the Party Authorized To Apply Mark.

Applicant: **Armadex Explosion Protection B.V.** **Manufacturer:** **Armadex Explosion Protection B.V.**

Address: **Tinnenstraat 33, 2984 AN, Ridderkerk** **Address:** **Tinnenstraat 33, 2984 AN, Ridderkerk**

Country: **The Netherlands** **Country:** **The Netherlands**

Party Authorized To Apply Mark: **Same as Manufacturer**

Report Issuing Office: **Intertek Testing Services NA, Inc., Cortland, NY**

Control Number: **5031662** **Authorized by:** *[Signature]*

for: **Mathew Snyder, Certification Manager**

intertek

This document supersedes all previous Authorizations to Mark for the noted Report Number.

This Authorization is valid for the exclusive use of the applicant under the Certification Agreement between Intertek and the Client. Intertek's responsibility and liability are limited to those set forth in the Certification Agreement. Intertek assumes no liability for any other, third party or client's involvement with the agreement. No other approval or approval is required for the conditions set forth in the agreement and the Authorization to Mark. Any further use of the Intertek logo for the sale or advertisement of the noted product or service must be approved by Intertek. Intertek Testing Services and Intertek Testing Services are the general service providers of the Certification mark as described in the agreement. They are not for the purpose of providing safety services or other services.

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ATM for Report 10596026CGR-001 Page 1 of 2 ATM issued: 17-Mar-2025 01:14:10 (UTC-05:00) America/New_York