

[1]

EU-TYPE EXAMINATION CERTIFICATE



[2]

Equipment or Protective System intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

[3]

EU-Type Examination Certificate Number: **UL 24 ATEX 3153X Rev. 0**

[4]

Product: **Smartphone / Smartscanner Type 17-S19*_****/*******

[5]

Manufacturer: **BARTEC GmbH**

[6]

Address: **Max-Eyth-Str. 16, 97980 Bad Mergentheim, Germany**

[7]

This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

[8]

UL International Demko A/S, notified body number 0539 in accordance with Article 17 of the Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report no. **US/UL/ExTR24.0005/00.**

[9]

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018

EN 60079-11:2012

EN 60079-28:2015

Where additional criteria beyond those given here have been used, they are listed at item 18 in the Schedule.

[10]

If the sign "X" is placed after the certificate number, it indicates that the product is subject to the "Specific Conditions of Use" listed under item 17 of this certificate.

[11]

This EU-Type Examination Certificate relates only to the technical design of the specified product in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by the certificate.

[12]

The marking of the product shall include the following (marking is provided in the Schedule as a part of item 15, if applicable):



II 1 G

Ex ia IIC T4 Ga / Ex ia op is IIC T4 Ga



II 2 D

Ex ia IIIC T135°C Db / Ex ia op is IIIC T135°C Db IP64

Certification Manager

Thomas Wilson

This is to certify that the sample(s) of the Product described herein ("Certified Product") has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the ATEX Product Certification Program Requirements. This certificate and test results obtained apply only to the product sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured product. UL has not established Follow-Up Service or other surveillance of the product. The Manufacturer is solely and fully responsible for conformity of all product to all applicable Standards, specifications, requirements or Directives. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

Date of issue: 2024-08-26

Notified Body

UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark
Tel. +45 44 85 65 65, info.dk@ul.com, www.ul.com



Accredited by DANAK under registration number 7011 to certification of products.

Form-ULID-000217 (DCS:00-IC-F0056-1) – Issue 29.0

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[13]

[14]

Schedule EU-TYPE EXAMINATION CERTIFICATE No. UL 24 ATEX 3153X Rev. 0

[15] Description of Product

The equipment covered by this report is a handheld smart phone with optional scanner that permits mobile recording, processing, and/or radio transmission of data within a potentially explosive atmosphere. Power is supplied by a rechargeable battery pack, Type 17-S1Z0-0020/****, that may be replaced in a non-hazardous location. Also provided for use in non-hazardous locations are a DC-in port and USB-C connector for charging and data transfer. To facilitate operation, the USB-C connector must be used with the BARTEC Type G7-A0Z0-0010 cable, which is provided as an accessory.

When the optional scanner is not installed, the equipment is marked with "ia" type of protection only. When the optional scanner is installed, the equipment is marked with "ia" and "op is" types of protection.

Nomenclature for type

Smartphone / Smartscanner, Type 17-S19*-****/***** :

Type 17	-	S	1	9	*	-	*	*	*	*	/	*	*	*	*	*	*	*	*	*
A		B	C	D	E		F	G	H	I		J	K	L					M	

Key	Code number for	Options	Description
A	Basic range	17	Electronic devices
B	Product range	S	Mobile/Smartphone
C	Category	1	Category 1/2 / Division 1
D	Series	9	Bartec SP9EX1 Smartphone / SC9EX1 Smartscanner
E	Type	P	SP9EX1 Smartphone, "Ex ia"
		C	SC9EX1 Smartscanner, "Ex ia op is"
F	Certification	2	Zone 0/21
		3	Class I, II, III, Division 1 and Zone 0/21
G	Operating system	0-9 or A-Z	Not Ex relevant
H	Processor	1	Qualcomm Snapdragon 6490 (Octacore 2.7GHz)
I	Memory	0-9 or A-Z	Not Ex relevant
J	Scanner	0	None
		1	SE55
K	Camera	0	None
		1	48 Megapixel back, 8 Megapixel front
L	Battery	1	3.68V / 4300mAh
M	Other options	0-9 or A-Z	Not Ex relevant

Battery pack, Type 17-S1Z0-0020/****, where **** is any combination of numbers or letters, not Ex relevant.

Temperature range

The ambient temperature range is -20°C to +50°C.

Electrical data

For use only with the BARTEC Type 17-S1Z0-0020/**** battery pack, rated 3.68 Vdc, 4300mAh.

Intrinsically safe specifications:

U_m : 20 Vdc for the USB-C connector, for use with the BARTEC Type G7-A0Z0-0010 cable
 U_m : 12 V for the DC-in connection

Routine tests

None.

[16]

Descriptive Documents

The scheduled drawings are listed in the report no. provided under item no. [8] on page 1 of this EU-Type Examination Certificate.

[17]

Specific conditions of use:

- The device must be protected against impacts with high impact energy.
- The device must be protected against processes that generate a strong electrostatic charge.



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[13]

[14]

Schedule
EU-TYPE EXAMINATION CERTIFICATE No.
UL 24 ATEX 3153X Rev. 0

[18]

Essential Health and Safety Requirements

The Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9.

Additional information

The Type 17-S19*-****/***** has in addition passed the tests for Ingress Protection to IP64 in accordance with EN60529:1991+A1:2000+A2:2013.

The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in Annex III to Directive 2014/34/EU of the European Parliament and the Council of 26 February 2014.