



Product Service



(1) **Type Examination Certificate**

(2) Equipment or Protective Systems Intended for Use in Potentially Explosive Atmospheres – **Directive 2014/34/EU**

(3) Type Examination Certificate Number:

TPS 24 ATEX 105130 0005 X Rev. 00

(4) Equipment: Industry Inspection Device Model: G60 Pro

(5) Manufacturer: AMobile Solutions Corp.

(6) Address: 8F.-1, No.700, Zhongzheng Rd., Zhonghe Dist., New Taipei City
235, Taiwan.

(7) This equipment or protective system and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) TÜV SÜD Product Service GmbH 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 reports with no. 61.500.23.038.01

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

EN IEC 60079-0:2018 EN 60079-11:2012

(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 Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

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

Ex II 3G Ex ic IIC T5 Gc

Certification Body,

München, 30.09.2024

Gareth Liao

TÜV SÜD
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Schedule

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Certificate History

Revision:	Description:	Report no.:	Issue Date:
Rev. 00	First issue.	61.500.23.038.01	30.09.2024

(15) Description of equipment:

The G60 Pro is a versatile device designed for harsh environments and used in hazardous area Zone 2. It integrates an infrared thermal imaging camera for preventative maintenance and is equipped with a variety of wireless communication technologies. The Industry Inspection Device is self-contained and supplied by a Lithium battery pack CLP1107 (3.8V, 5100mAh). Its protection type is intrinsic safety "ic" and it is suitable for use in gas atmosphere, Zone 2, Group IIC, Temperature Class T5.

Technical data

Electrical rating	Battery power: 3.8V Type: CLP1107
Ambient temperature	-10°C ≤ Tamb ≤ +50°C
Degree of protection by enclosure	IP30 (tested according to EN 60529)

Warning label

- WARNING - DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT
- WARNING – DO NOT CHARGE THE BATTERY IN HAZARDOUS LOCATION
- WARNING – USE ONLY Shenzhen Cholipower Technology Co., LTD. CLP1107(5100mAh) BATTERIES

Installation instruction

See Instructions manual provided by the manufacturer and part of this certification. See also (17) Special conditions for safe use.

(16) Test report(s): 61.500.23.038.01

Routine tests: None.



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Document List

File No.	File name	Page	Rev.	Date
01_PWR_Bloock_D iagram	G60Pro_Block_diagram	1	1	-
BOM-ME	Amobile-TW-20240411-ME-001	7	-	2023-09-25
BOM-ME	Amobile-TW-20240411-ME-002	1	V001	2023-04-11
BOM-ME	Amobile-TW-20240411-ME-003	1	V001	2023-04-11
BOM-EE	Amobile-TW-20240411-EE-001	1	V001	2023-04-11
BOM-EE	Amobile-TW-20240411-EE-002	1	V001	2023-04-11
BOM-EE	Amobile-TW-20240411-EE-003	1	V001	2023-04-11
BOM-EE	Amobile-TW-20240411-EE-004	1	V001	2023-04-11
BOM-EE	Amobile-TW-20240411-EE-005	1	V001	2023-04-11
G60 Pro_circuit diagram	G60 Pro_circuit diagram	30	R0.2	2021-08-10
G60 Pro Layout	G60Pro MB PCB	4	R0.2	2022-11-23
ATEX Calculation (Amobile-TW- 20240827-EE-002)	ATEX Calculation (Amobile-TW-20240827-EE-002)	4	V001	2024-08-27
ATEX Calculation (Amobile-TW- 20240827-EE-003)	ATEX Calculation (Amobile-TW-20240827-EE-003)	1	V001	2024-08-27
ATEX Calculation (Amobile-TW- 20240827-EE-004)	ATEX Calculation (Amobile-TW-20240827-EE-004)	1	V001	2024-08-27
QP-11-048 R1	G60 Pro PCBA Coating_SOP	10	1.0	2023-08-28
Device Label Rule	Device Label Rule	2	V1.1	2024-01-05
Warning Label Rule	Warning Label Rule	1	V1.1	2024-01-05
ALL EXPLODE	Mechanism explosion diagram	1	-	2016-09-20
Dimensional drawing	Warning Label Rule	1	V1.1	2024-01-05
G60 Pro User Manual	GD60P-USR-001	39	1.7	2024-08-30
GD60P-CER-003	DECLARATION OF CONFORMITY(Draft version)	1	1.0	2024-06-07

A copy of the full documentation is kept confidentially at TÜV SÜD.

Certificates without signature shall not be valid. The Certificates may only be circulated in full including its schedule(s). Extracts or alterations are subject to approval by TÜV SÜD Product Service GmbH. In case of dispute, the German text shall prevail. The document is administrated under the following number: EX8A 105130 0005 Rev. 00





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(17) Special conditions of safe use:

1. The G60 Pro shall not be connected or disconnected from any external devices or interfaces and be replaced battery pack in explosive atmosphere.
2. The G60 Pro shall only be charged in the non-hazardous area with specified adapter from manufacturer. Charging should be at an ambient within the range of 0 to 45 degrees C.
3. The G60 Pro shall be charged by a certified power adapter which complies with ES1 according to IEC/EN 62368-1, with rating of 9V, 2A.

(18) Essential health and safety requirements:

Assured by compliance with standards set out in (9).

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