



[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: **FIDI 21 ATEX 0047X** Issue: **1**

[4] Product: **Ultrasound camera**

Type: **Distran Ultra Pro X**

[5] Manufacturer: **Distran AG**

[6] Address: **Breitensteinstrasse 96, 8037 Zürich, Switzerland**

[7] This product and any acceptable variation thereto is specified in the schedule to this certificate and documents therein referred to.

[8] FIDITAS Ltd., certification body 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 of the Directive.

The examination and test results are recorded in confidential Report No: **FIDI 21 CR 036**

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

EN IEC 60079-0:2018

EN 60079-11:2012

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 product is subject to Specific Conditions of Use specified in the schedule to this certificate.

[11] This Type Examination Certificate relates only to the design, examination and test of the specified product in accordance with Annex III.

[12] The marking of the product shall include the following:



II 3G Ex ic IIC T4 Gc

II 3D Ex ic IIIC T135°C Dc

Our ref.: 21.CRT.240

Date: 01.07.2021.



Fiditas d.o.o.
ZAGREB

FIDITAS Ltd.

Certification department

Approved:

Marino Kelava, M.Sc.E.Eng.



[13] SCHEDULE

[14] TYPE EXAMINATION CERTIFICATE No.: FIDI 21 ATEX 0047X

[15] Description of product

An ultrasound camera is a hand-held measurement device used to inspect primarily pipes, valves, flanges and various other piping searching for leaks. It also has other hand-held inspection applications.

The microphones arranged on its front plate record the surrounding ultrasounds. This information is processed by embedded processors to compute the direction of each sound and other information. A video camera is also present. The result of the computation is displayed in real time on the display at the rear of the device.

The device is also able to communicate with WiFi networks and read GPS signal.

The device is powered by a battery. The battery can only be charged outside of the device, when disconnected. The charge must take place in a non-hazardous area.

Technical data:

Battery:	Lithium Ion, Um= 13.05 V (4.35 V per cell) according to EN IEC 60079-0, Table 14
IP degree of enclosure:	IP 54
Ambient enclosure:	-10°C to +35°C

[16] Confidential Report No. FIDI 21 CR 036

[16.1] Routine testing

None

[17] Specific Conditions of Use

The wear of the coating user must be periodically checked by user.

[18] Essential Health and Safety Requirements

Covered by the conformity with harmonized standards listed under item 9.





[19] Drawings and Documents

Title:	Drawing No.:	Rev. level:	Date:
TECHNICAL FILE	TF20001	23	30.06.2021
01_schematics-pcb_microphone_2.1.2	/	v8	26.06.2020
02_schematics-pcb_motherboard_2.1.3	/	v10	25.09.2020
03_schematics-pcb_handle_2.1.3	/	v10	25.09.2020
04_schematics-pcb_battery-2.2.0	/	v10	25.09.2020
05_schematics- pcb_camera_adaptor_2.1.1	/	v8	26.06.2020
06_schematics-pcb_rear_mic_2.1.1	/	v8	26.06.2020
07_schematics-pcb_front_LED_2.1.1	/	v8	26.06.2020
08_pcb-gerber.zip	/	v2.2	11.11.2020
TF20004 List of components	TF20004	V4	23.12.2020
Enclosure definition	TF20002 Annex A	05	18.12.2020
Instructions related to use in potentially explosive atmospheres	TF20003	r05	30.06.2021

