

EU-Type Examination Certificate

0470-RED-173602

In compliance with Directive (EU) No 2014/53 of the European Parliament and of the Council of 16 April 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment (RED), this certificate applies to the product(s)

ATEX UHF Handheld radiotelephone Model: SAILOR SP3965 UHF Fire

Placed on the market under the name or trademark of
Thrane & Thrane A/S
Industrivej 30
9490 Pandrup
Denmark

This certificate attests that all provisions concerning the assessment and verification of performance described in the standard(s)

Art 3.1a: EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013
Art 3.1b: EN 301 843-2 V2.1.1
Art 3.2: EN 300 720 V2.1.1

as per Annex III (Module B) for the performance set out in this certificate, are applied.

Certificate issued Sept 18, 2017
Certificate was first issued Sept 18, 2017

Certificate revision: 1.0

For NEMKO (Notified Body 0470)
Authorized signatory: Espen Eriksen



This certificate has been granted by Nemko AS, Gaustadalleen 30, NO-0373 Oslo, Norway

This certificate remains valid, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Nemko. Should the specified regulations or standards be amended, the products are to be re-approved prior to being placed on the market. Nemko is designated by the Norwegian Notified Authority as a Notified Body under the terms of the Norwegian regulations. This certificate is issued within the scope of the "Provisions for certification - Electrical products - Radio Equipment Directive 2014/53/EU" (Nemko C355), which is available on request.

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ANNEX 1 – PRODUCT SPECIFICATIONS

PRODUCT DESCRIPTION

Equipment type: **ATEX UHF Handheld radiotelephone**
Model/type: **TT-3965A UHF Fire / UHF radio telephone**
Brand/trade name: **SAILOR SP3965 UHF Fire**
Supply voltage: **Battery operated. 7.2 VDC Li battery.**
Rated power: **Max. 7.2 W (1A)**

TECHNICAL CHARACTERISTICS

Transmitter type: **UHF radio**
Intended purpose: **Maritime communication**
Frequency range: **440 MHz – 470 MHz**
Transmit power: **Max. 2W**
Modulation type: **25 kHz: 16K0G3E, 12,5 kHz: 8K50G3E**
Channel separation: **12,5 kHz / 25 kHz**
Antenna type: **Mounted on top of the radio**
Maximum antenna gain: **-**

MANUFACTURER

Name: **Thrane & Thrane A/S**
Address: **Industrivej 30
9490 Pandrup
Denmark**

ADDITIONAL INFORMATION

Including battery B3504 + B3906, AC adaptor and single/dual charger CH3505/CH3507/CH3508.

ANNEX 2 - SCHEDULE OF APPROVAL

SCOPE OF EXAMINATION

<input checked="" type="checkbox"/> Protection of Health and Safety, according to Article 3(1)(a).	COMPLIES
<input checked="" type="checkbox"/> Electromagnetic Compatibility (EMC), according to Article 3(1)(b).	COMPLIES
<input checked="" type="checkbox"/> Radio Spectrum Use, according to Article 3(2).	COMPLIES
<input checked="" type="checkbox"/> Special Radio Features, according to Article 3(3)(a)-(f).	N/A

APPLICATIONS/LIMITATIONS

No limitations

MARKING OF PRODUCT

The Manufacturer and Type Designation shall be applied to the product in a visible location.
The equipment shall carry the CE marking of the European Union.

TYPE EXAMINATION DOCUMENTATION

Article	Standard	Test report number	Issued by
3.1a	EN 60950	113141	Nemko AS
3.1b	EN 301 843	DANAK-19/18030	Delta
		113141/8	Nemko AS
3.2	EN 300 720	93339-10	Nemko AS
		113141-7	Nemko AS

Additional documentation

- RED technical file by Thrane & Thrane, dated: 2017-08-31

ADDITIONAL INFORMATION

None.

<< End of certificate >>