



# QS - CERTIFICATE OF ASSESSMENT - EC (MODULE D)

Certificate No:  
**MEDD00000DR**  
Revision No:  
**2**

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV AS under the authority of the Government of Norway.

## This is to certify:

### That the Quality System for the products

with type designation(s) as specified in the Appendix to this Certificate

Issued to

**Detector Electronics Corporation (Det-Tronics)**  
**Minneapolis, MN, USA**

is found to comply with the applicable requirements.

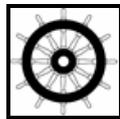
The quality system has been assessed with respect to the procedure of conformity assessment described in Annex II, Module D in the directive 2014/90/EU and regulation (EU) 2022/1157.

This Certificate is valid until **2026-06-29**.

Issued at **Høvik** on **2022-10-10**

DNV local station:  
**Houston Offshore Services**

Approval Engineer:  
**Frode Nygård**



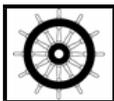
Notified Body  
No.: **0575**



for **DNV AS**

Digitally Signed By:  
**Marta Alonso Pontes**  
Location: DNV Høvik, Norway  
on behalf of

**Sverre Olav Bergli**  
**Head of Notified Body**



0575/yyyy

0575: Notified Body number undertaking quality surveillance  
yyyy: The year in which the mark is affixed



The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.  
This certificate authorizes the manufacturer in conjunction with the valid EC Type Examination (Module B) Certificate(s) of the equipment listed before to affix the Mark of Conformity (wheelmark) to the product described herein.  
This certificate loses its validity if the manufacturer makes any changes to the approved quality system which have not been notified to and agreed with the notified body named on this certificate.  
This certificate remains valid unless suspended, withdrawn, recalled or cancelled.  
The Manufacturer has to apply for periodical audits to verify the maintenance and application of the quality system every 12 months.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



**APPENDIX**

**Item no. MED/3.51e Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces: Flame detectors – Point detectors**

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
X3301/X33AF - Multispectrum IR Flame Detector with Mounting Arm Q9033B/Q9033A with optional Q9033 Collar Attachment <sup>1</sup>	MEDB00005C4	2025-03-03	0575	N/A

**Item no. MED/3.54b Fixed oxygen analysis and gas detection equipment: category 3: (explosive gas atmospheres)**

Type designation	EC Type-Examination Certificate No.	Expiry date	Notified Body No.	USCG approval number
PIRECL/AutoPoint HC200 and HC300PL - IR Hydrocarbon Gas Detector and PIRTB - Terminal Box <sup>1</sup>	MEDB00002YG Rev.1	2024-08-25	0575	N/A

**Places of production**

1. Detector Electronics Corporation (Det-Tronics), 6901 W 110th St, Minneapolis, USA