



Certificate No:
TAS00003HB

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Portable Offshore Units

with type designation(s)
Subsea basket

Issued to

METROL TECHNOLOGY LTD
Aberdeen, United Kingdom

is found to comply with

DNV standard DNV-ST-E273 – 2.7-3 Portable offshore units, April 2016 (Amended October 2021)

Application :

Max. gross mass (kg) 750
Max. payload (kg) 250
Max. sling leg angle 45 (in air) / 0 (subsea)

Issued at **Aberdeen** on **2022-08-30**

This Certificate is valid until **2027-08-29** .

DNV local unit: **Aberdeen**

Approval Engineer: **Elisabeth Legg**

for **DNV**

Brendan Ward
Senior Engineer

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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.



Form code: TA 281

Revision: 2021-10

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Manufactured by

DNV CIM number: 10124766

Local DNV office: Aberdeen

Responsibility

Metrol Technology Limited takes full responsibility that both the design and production are in compliance with the Rules, Standards and / or Regulations listed on page 1 of this type approval certificate

Product description

Maximum external dimensions (LxWxH)	: 1746 x 1715 x 971 mm (subsea lift arm lowered)
Tare mass*	: 500 kg
Type	: A
Operational Class	: R30-SXX

*) Tare mass is to be confirmed by weighing. The sum of tare and payload shall never exceed the maximum gross mass stated on the front page of this certificate.

Application/Limitation

Shackle size**	: 4.75 t (in air lift)
Resultant sling force (RSF)	: 33 kN (in air lift)
Minimum design temperature	: -20 °C

**) Single lift point shall be used for subsea deployment and retrieval only, using ROV hook.

DNV surveyor to witness important production and test events and issue Form no. MOP 201 "Certificate for Portable Offshore Unit" for each unit.

This unit does not have a pre-defined limiting installation wave height when lifting subsea. It is the responsibility of the End User to ensure dynamic factors during subsea lifting are less than calculated in DNV-ST-E273 section 3.11, DAF = 2.0. Markings shall be applied, certification issued and operating procedures implemented to reflect this.

Type Approval documentation



Job Id: **262.1-037891-1**
Certificate No: **TAS00003HB**

Tests carried out

Prototype RSB0033 tested in accordance with DNV-ST-E273.

Marking of product

Marking shall be carried out in accordance with to DNV-ST-E273 section 6.

Periodical assessment

In order to maintain the validity of the type approval certificate, periodical assessments should be carried out according to DNV-SE-0284 at 2 and 3.5 year intervals. Periodical assessments will, when possible, be harmonised with other surveys and audits carried out.

END OF CERTIFICATE