



# TYPE APPROVAL CERTIFICATE

Certificate no.:  
**TAA00003C4**  
Revision No:  
**1**

## This is to certify:

that the **Measurement Converter**

with type designation(s)

**SpeedSys tachometers – SpeedSys T10, SpeedSys T20, SpeedSys T30 and SpeedSys T11**

issued to

**Istec International B.V.**

**Lisse, Zuid-Holland, Netherlands**

is found to comply with

**DNV rules for classification – Ships, offshore units, and high speed and light craft**

## Application:

**Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.**

## Location classes:

<b>Temperature</b>	<b>B</b>
<b>Humidity</b>	<b>B</b>
<b>Vibration</b>	<b>A</b>
<b>EMC</b>	<b>A</b>
<b>Enclosure</b>	<b>A / IP20,</b> <b>B / IP44 (Speedsys tachometer T11 frontside only)</b>

Issued at **Høvik** on **2024-11-11**

for **DNV**

This Certificate is valid until **2028-12-07**.

DNV local unit: **Netherlands CMC**

Approval Engineer: **Sonali Marathe**

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 USD 300 000.