



# EUROPEAN UNION RECOGNISED ORGANISATION (EU RO) MUTUAL RECOGNITION TYPE APPROVAL CERTIFICATE

Certificate No:  
**MRA0000039**

In accordance with Article 10.1 of EU Regulation 391/2009

This Certificate is issued to

**SIKA Dr. Siebert & Kühn GmbH & Co. KG**  
**Kaufungen, Hessen, Germany**

for  
**Sensors**

with type designation(s)  
**RCM880 (Transmitter 880TPXMU10 with Sensor W103E030380X00)**

The product is found to comply with  
**EU RO Mutual Recognition Technical Requirements for Sensors**

Intended service

**Electronic climatic room condition monitoring of air pressure, temperature, humidity**

**Temperature [°C]: 5°C to 70°C**  
**Vibration: ± 1,6mm/4.0g**  
**EMC: All location except bridge and open deck**  
**IP Code: IP 65**

## This is to certify:

that the Product referred to herein has been inspected for the Manufacturer, pursuant to the relevant requirements of the European Union Recognised Organisation Mutual Recognition procedure, required by Article 10.1 of EU Regulation 391/2009, and has been found in accordance with those requirements.

This Certificate is valid until **2026-11-07**.

Issued at **Hamburg** on **2021-11-08**

DNV local station: **Essen**

for **DNV**

Approval Engineer: **Didier Girardin**

.....  
**Joannis Papanuskas**  
**Head of Section**

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: MRTA 201

Revision: 2021-03

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### Product description

RCM880 (Transmitter 880TPHXMU10XXX with Sensor W103E030380X00) electronic room climatic condition monitoring allowing permanent measurement of room temperature, air humidity and air pressure in location as machinery space, control room, accommodation, other service and heated rooms, also inside cubicle desks or on machinery including piping on such machinery (combustion engines, compressors, pumps etc. ...). Values are monitored on a local display and provided for remote processing or monitoring over respective analogue signals.

SIKA 880 Room Condition Monitor System		
Order code	880TPHXMU10XXX	
XXX	Customer specific code	3 alphanumeric characters X = {0..9, A..Z} For different customer specific configurations within the data sheet ranges

### Manufactured by

SIKA Dr. Siebert und Kühn GmbH & Co. KG  
 Struthweg 7 - 9  
 34260 Kaufungen  
 Germany

### Application/Limitation

Environmental service location: as described under product description  
 Not suitable for installation on the bridge, open deck, pump room, holds, rooms with no heating, masts  
 Technical installation and maintenance manual to be provided for each delivery  
 Shielded cables to be used

### Type Approval documentation

hidden

### Marking of product

The products to be marked with:

- Manufacturer name                      SIKA
- Model name:                                RCM 880
- Unique serial number
- Supply Voltage

### Other Conditions

The sensors have been verified for compliance with EU Mutual Recognition Technical Requirements for Sensors version 0.4, dated 2018-07-01.

Environmental test parameters: Temperature: 5°C & 70°C; Vibration: ±1.6 mm / 4.0 g

EMC:                      All locations except bridge and open deck

Enclosure:              IP65 (IP ratings according to IEC 60529)

### Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the type are complied with, and that no alterations are made to the product design or choice of systems, software versions, components and/or materials.

The main elements of the assessment are:

- Ensure that type approved documentation is available
- Inspection of factory samples, selected at random from the production line (where practicable)
- Review of production and inspection routines, including test records from product sample tests and control routines
- Ensuring that systems, software versions, components and/or materials used comply with type approved documents and/or referenced system, software, component and material specifications
- Review of possible changes in design of systems, software versions, components, materials and/or performance, and make sure that such changes do not affect the type approval given
- Ensuring traceability between manufacturer's product type marking and the type approval certificate

Periodical assessment is to be performed annually and at renewal of this certificate.

## Generic Statement for EU RO MR Type Approval Certificate

When a product is presented with this EU RO MR Type Approval Certificate for given application, its acceptability with regards to the limitations stated in the certificate conditions defined in 1b, 1c and 1d of the applied Technical Requirement will be evaluated by the EU RO in charge of classing the ship or being in charge of the unit/system certification.

In accordance with Article 10 of Regulation (EC) No 391/2009 of the European Parliament and of the Council of 23 April 2009 "on common rules and standards for ship inspection and survey organizations", the following organizations, recognized by the EU on this date, have agreed on the technical and procedural conditions under which they will mutually recognize this certificate:

- American Bureau of Shipping (ABS);
- Bureau Veritas (BV);
- China Classification Society (CCS);
- Croatian Register of Shipping (CRS);
- DNV;
- Indian Register of Shipping (IRS);
- Korean Register (KR);
- Lloyd's Register Group Ltd. (LR);
- Nippon Kaiji Kyokai General Incorporated Foundation (ClassNK);
- Polish Register of Shipping (PRS);
- RINA Services S.p.A. (RINA);
- Russian Maritime Register of Shipping (RS).

The scheme for the mutual recognition of class certificates for materials, equipment and components laid down by Article 10(1) of Regulation (EC) No 391/2009 is only enforceable within the Union in respect of ships flying the flag of a Member State. As far as foreign vessels are concerned, the acceptance of relevant certificates remains at the discretion of relevant non-EU flag States in the exercise of their exclusive jurisdiction, notably under the United Nations Convention on the Law of the Sea (UNCLOS). (In accordance with COMMISSION IMPLEMENTING REGULATION (EU) No 1355/2014 amending Regulation (EC) No 391/2009 - recital (25)).