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| **OIML Member State**<br>Germany | **OIML Certificate No.**<br>**R76/2006-A-DE1-2019.03** |

# OIML CERTIFICATE ISSUED UNDER SCHEME A

**OIML Issuing Authority**

Name: Physikalisch-Technische Bundesanstalt,
Conformity Assessment Body
Address: Bundesallee 100, 38116 Braunschweig, GERMANY
Person responsible: Hon.-Prof. Dr. R. Schwartz

**Applicant**

Name: Schenck Process Europe GmbH
Address: Pallaswiesenstr. 100, 64293 Darmstadt, Germany

**Manufacturer**

Name: Schenck Process Europe GmbH
Address: Pallaswiesenstr. 100, 64293 Darmstadt, Germany

**Identification of the certified type** *(the detailed characteristics will be defined in the additional pages)*

Indicator
Type: CONiQ or WD-Series

**Designation of the module** *(if applicable)*

Not applicable

This OIML Certificate attests the conformity of the above identified type (represented by the sample(s) identified in the OIML type evaluation report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

OIML R 76 Edition (year): 2006

For accuracy class (if applicable): III and IIII

**OIML Certificate No.**
**R76/2006-A-DE1-2019.03**

This OIML Certificate relates only to metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML Recommendation identified above.

This OIML Certificate does not bestow any form of legal international approval.

The conformity was established by the results of tests and examinations provided in the associated OIML type evaluation report:

No. 1.12-4089945 dated 2020-09-11 that includes 8 pages

The technical documentation relating to the identified type is contained in documentation file:

No. ZDS-R76/2006-A-DE1-2019.03 dated 2020-09-11 that includes 3 pages

**OIML Certificate History**

| Revision No. | Date | Description of the modification |
|---|---|---|
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| | | |

Identification, signature and stamp

**The Issuing Authority** **The CIML Member**

Dr. Oliver Mack

Member of Conformity Assessment Body

Date: 09.10.2020

PHYSIKALISCH-TECHNISCHE BUNDESANSTALT 78

Hon.-Prof. Dr. R. Schwartz

President of CIML

*Important note:* Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate is issued, partial quotation of the Certificate and of the associated OIML type evaluation report(s) is not permitted, although either may be reproduced in full.

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**Identification of the certified type (continued)**

Metrological characteristics of the pattern:

| | | |
|---|---|---|
| Accuracy class | | (III) / (IIII) |
| Load cell supply voltage | $U_{exc}$ | 5 V AC |
| Range of load cell signal (measuring voltage incl. dead load) | $U_{min}$ ... $U_{max}$ | 0 mV ... 17 mV |
| Smallest permissible input signal per verification scale interval | $\Delta u_{min}$ / e | 0,3 µV / e |
| Maximum number of verification scale intervals | $n_{ind}$ | ≤ 6000 |
| Range of load cell impedance | $R_{Lmin}$ ... $R_{Lmax}$ | 38 Ω [a] ... 4500 Ω [b] |
| Fraction of mpe | $p_{ind}$ | 0,5 |
| Temperature range | $T_{min}$ ... $T_{max}$ | - 30°C ... + 50°C |
| Load cell connection | | 4- / 6-wire conductor |
| Maximum cable length in dependence of the cable diameter | $L$ / $A$ | ≤ 10000 m/mm² [c] [d] |
| Power supply voltage | | 85 ... 250 VAC<br>47 ... 63 Hz<br>24 VDC -5 +15% |

a) *minimum input resistance of the load cell(s)*

b) *maximum output resistance of the load cell(s)*

c) *Using a 6-wire conductor from the analogue data processing unit to the load cell or the junction box*

d) *Cable material: copper*