

OIML Member State
The Netherlands

Number R60/2000-A-NL1-16-38 revision 1
Project number 3000817
Page 1 of 3

Issuing authority

NMi Certin B.V.
Person responsible: M.Ph.D. Schmidt

Applicant and
Manufacturer

ARPEGE MASTER K
Bât 6 – 15 rue du Dauphiné
CS40216
69808 Saint-Priest Cedex
FRANCE

Identification of the
certified type

A **single point compression load cell**, with strain gauges, equipped with electronics.

Registered trade name : ARPEGE MASTER K

Type : DC 285, CPFN-A, CPFN-B

Characteristics

See next page

This OIML Certificate is issued under scheme A.

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

OIML R 60: 2000 for accuracy class C

This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation above-identified. This Certificate does not bestow any form of legal international approval.

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Issuing Authority

NMi Certin B.V., OIML Issuing Authority NL1
1 December 2022

Certification Board

NMi Certin B.V.
Thijsseweg 11
2629 JA Delft
The Netherlands
T +31 88 6362332
certin@nmi.nl
www.nmi.nl

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OIML Member State
The Netherlands

Number R60/2000-A-NL1-16-38 revision 1
Project number 3000817
Page 2 of 3

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

- No. R60/2000-NL1-06.09A dated 23 June 2006 that includes 55 pages;
- No. R60/2000-NL1-06.09B dated 13 September 2006 that includes 13 pages;
- No. NMI-16200545-01 dated 1 December 2016 that includes 16 pages;
- No. NMI-3000817-01 dated 1 December 2022 that includes 46 pages.

Characteristics of the load cell:

Characterization of load cell capabilities	Digital load cell
Maximum capacity (E_{max})	15 t up to and including 75 t
Minimum dead load	0 t
Accuracy Class	C
Maximum number of load cell intervals (n) ⁽¹⁾	6000
Ratio of minimum LC Verification interval ⁽¹⁾ $Y = E_{max} / V_{min}$	15000
Ratio of minimum dead load output return ⁽¹⁾ $Z = E_{max} / (2 * DR)$	8000
Temperature range	-10 °C / + 55 °C
Fraction p_{LC}	0,8
Humidity Class	CH
Safe overload	150 % of E_{max}
Recommended excitation	7 - 16 V DC
Excitation maximum	16 V DC
Transducer material	Stainless steel
Atmospheric protection	Stainless steel welded IP68 - IP69K
Electromagnetic environment class	E2
Number of counts for E_{max}	$\geq Y * 5 / p_{LC}$
Software identification	Version number: VA.5, VA5, VS.0, VS0, V2.4, VA.7, VA7, VS.1 or VS1

Remarks:

1. The characteristics for n_{max} , Y and Z can be reduced separately.

Each load cell produced is provided with an accompanying document with information about its characteristics.



OIML Member State
The Netherlands

OIML Certificate

Number R60/2000-A-NL1-16-38 revision 1
Project number 3000817
Page 3 of 3

Revision History

Revision	Date	Change(s)
0	05-12-2016	Initial issue
1	01-12-2022	New A/D board - CCC V3