

OIML Member State:
Sweden

OIML Certificate No:
R76/2006-SE1-17.02
Issue 1

Applicant

Name: Ishida Co., Ltd
Address: 44 Sanno-cho, Shogoin, Sakyo-ku, Kyoto 606-8392, JAPAN

Issuing authority

Name: RISE Research Institutes of Sweden AB
Address: Box 857, SE-501 15 Borås, Sweden
Person responsible: Lennart Aronsson

Manufacturer of the certified type is the applicant.

Identification of the certified type

A graduated, self-indicating, electronic, single or multi-interval non-automatic weighing instrument.

The certified type	UNI-9 B, P, BP, SS, H, XL and EV
Accuracy class	III
Number of verification scale intervals	$n \leq 3000$

(Identification continued on next page.)

This certificate attests the conformity of the above-mentioned type (represented by the samples identified in the associated report) with the requirements of the following Recommendation(s) of the International Organization of Legal Metrology (OIML):
R76, edition 2006.

This certificate relates only to the metrological and technical characteristics of the pattern of the instrument concerned, as covered by the relevant OIML International Recommendation(s).

This certificate does not bestow any form of legal international approval.

The conformity was established by tests described in the associated test reports 7P07064-1 dated 2017-12-15, 7P07064-01-1 dated 2017-12-15, MTmPX13181.001, 2011-09-22 for UNI-9 15 kg, MTmPX21234.001, 2012-03-16, for UNI-9 6 kg, NMi reports R76/1992-NL1-10-29c and R76/1992NL1-10-29f for UNI-9 XL 30 kg, SP 96V12224:001, 1997-02-06, for UNI-9 XL 6kg and 15kg and MTmP701127:001, 2008-02-13 for UNI-7 H (UNI-9 H) 15 kg. For certificate history, see page 3.

Lennart Aronsson

Bengt Gutfelt

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RISE Research Institutes of Sweden AB | Certification
Box 857, SE-501 15 Borås, Sweden
Phone: +46 10-516 50 00
certifiering@ri.se | www.ri.se

2017-12-15



7P07064



Identification of the certified pattern

General description

UNI-9 is a single or multi-interval non-automatic weighing and price-computing instrument with label/receipt printer. It is approved for direct sales to the public or for price labelling.

Essential characteristics

- Determination of stability of equilibrium
- Zero indicator, (indicating zero within $\pm 0,25 e$) mandatory
- Semi-automatic zero-setting
- Initial zero-setting
- Zero-tracking (not mandatory)
- Semi-automatic subtractive tare weighing
- Preset tare
- Adjustment / gravity set-up mode via a switch on the A/D board
- Checking the display
- Price calculation
- Level indicator and adjustable feet's used for levelling
- Indications other than primary indications
- Price labelling instrument
- PLU function

Technical data

Patterns	UNI-9 EV UNI-9 SS UNI-9 P, UNI-9 B UNI-9 BP UNI-9 XL	UNI-9 EV UNI-9 SS UNI-9 P, UNI-9 B UNI-9 BP, UNI-9 H UNI-9 XL	UNI-9 EV UNI-9 SS UNI-9 P, UNI-9 B UNI-9 BP, UNI-9 H UNI-9 XL	UNI-9 XL
Load cells	ULC-10L, CLC-10N, CLC-10L	ULC-25L, CLC-25N, CLC-25L	ULC-25L, CLC-25N, CLC-25L	ZLC-60L
Temperature range	-5 °C to +40 °C	-5 °C to +40 °C	-5 °C to +40 °C	0 °C to +35 °C
Max capacity	6 kg	15 kg	15 kg	30 kg
Min capacity	20 g	40 g	100 g	100 g
Scale interval, e_1 e_2	1 g (0-2,999 kg(Max ₁)) 2 g (3-6 kg)	2 g (0-5,998 kg(Max ₁)) 5 g (6-15 kg)	5 g	5 g
Maximum tare effect	- Max ₁	- Max ₁	-5,995 kg	-29,995 kg
Power supply	100-240V AC, 50/60 Hz			

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Construction

The base has four levelling feet and a level indicator situated at the top.

Load cells

Type	ULC-10L	ULC-25L	CLC-10L	CLC-10N	CLC-25L	CLC-25N	ZLC-60L
Manufacturer	Ishida	Ishida	Ishida	NMB	Ishida	NMB	Ishida
Capacity	10 kg	25 kg	10 kg	10 kg	25 kg	25 kg	60 kg
n_{max}	3000	3000	3000	3000	3000	3000	6000

Interfaces

The instrument may be equipped with the following protective interfaces:

Ethernet (RJ-45 and Wireless), SD Card, USB

Revision history

Dated	Certificate no.	Description
2012-04-16	R76/1992-SE1-12.01 issue 1	First issue, types UNI-9 B, P, BP, SS and EV
2013-10-01	R76/1992-SE1-12.01 issue 2	Extension with types UNI-9 H and XL, addition load cells CLC, ZLC and capacity 30 kg
2017-12-15	R76/2006-SE1-17.02 issue 1	Modification of Digital main board, new report for EMC tests. Certificate updated to R76/2006, new certificate numbering.

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