



OIML Member State  
P. R. China



OIML Certificate No.  
R76/2006-A-CN2-21.01

## OIML CERTIFICATE

### ISSUED UNDER SCHEME A

**OIML Issuing Authority** Name: National Institute of Metrology, China  
Address: No.18, Bei San Huan Dong Lu, Chaoyang Dist., Beijing, P.R.China  
Person responsible: Mr. Fang Xiang, Director

**Applicant** Name: Shanghai Yaohua Weighing System Co., Ltd  
Address: Building 5, No.999 Gongye Road, Jinhui Town, Fengxian District, Shanghai, P.R.China

**Manufacturer** Name: Shanghai Yaohua Weighing System Co., Ltd  
Address: Building 5, No.999 Gongye Road, Jinhui Town, Fengxian District, Shanghai, P.R.China

**Identification of the certified type** Weighing Indicator XK3190-A15, XK3190-A15E (Further characteristics on page 2)

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 R76 – Edition 2006**

For accuracy class: III

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.

*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.

OIML Issuing Authority: **National Institute of Metrology, China**

Date: 28 July 2021



No.18, Bei San Huan Dong Lu,  
Chaoyang Dist, Beijing,  
100029, P.R.China  
+86 10 64525646  
oimlia@nim.ac.cn  
www.nim.ac.cn

**Fang Xiang**  
Director  
National Institute of Metrology, China

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

No. TER-R76/2006-CN2-21.01 dated 16 July 2021 that includes 26 pages

and the associated OIML test report:

No. LSmm2021-12018.1 dated 18 June 2021 that includes 38 pages

No. LSmm2021-12018.2 dated 18 June 2021 that includes 15 pages

### OIML Certificate History

Revision No.	Date	Description of the modification
0	28 July 2021	Initial issue

### Characteristics of the Instrument

Type	XK3190-A15	XK3190-A15E
Accuracy class		III
Value of the error fraction $p_i$		0.5
Minimum input-voltage per verification scale interval, $e$		1 $\mu$ V
Maximum number of verification scale intervals, $n$		5000
Temperature range		0 °C ~ 40 °C
Power supply		AC 220V, 50Hz
Load cell excitation voltage		5 V
Minimum signal voltage for dead load		0 mV
Maximum signal voltage for dead load		4 mV
Measuring range minimum voltage		-19 mV
Measuring range maximum voltage		19 mV
Minimum load cell impedance		87.5 $\Omega$
Maximum load cell impedance		1000 $\Omega$
Sense system		with (six wire)
Software version		V3.00
Maximum cable length		1.34 m/mm <sup>2</sup>