



OIML Member State  
P. R. China



OIML Certificate No.  
R60/2000-A-CN2-2018.01

## 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: Mettler-Toledo (Changzhou) Precision Instrument Ltd.  
Address: No.22 Zhengqiang Rd., Xinbei District, Changzhou, Jiangsu, China

**Manufacturer** Name: Mettler-Toledo (Changzhou) Precision Instrument Ltd.  
Address: No.22 Zhengqiang Rd., Xinbei District, Changzhou, Jiangsu, China

**Identification of the certified type** Load Cell SLS520 (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 R 60 - Edition 2000** for accuracy class: C

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: 23 July 2018



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**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-R60/2000-CN2-2018.01 dated 17 July 2018 that includes 7 pages

and the associated OIML test report:

No. LSfc2018-0646-1 dated 8 February 2018 that includes 23 pages

No. LSfc2018-0646-2 dated 8 February 2018 that includes 21 pages

### OIML Certificate History

Revision No.	Date	Description of the modification
0	23 July 2018	Initial issue

### Characteristics of the Load Cell

	Unit	Range
Accuracy class	/	C
Maximum number of verification intervals $n_{max}$	/	$\leq 3000$
Maximum capacity $E_{max}$	kg	200, 300, 500 1000, 2000, 3000, 5000
Minimum capacity $E_{min}$	kg	0
Minimum load cell verification interval $v_{min} = (E_{max} / Y)$ or $Y$	g/ NA	$Y \leq 10000$
Minimum dead load output return $DR = (\frac{1}{2} \cdot E_{max} / Z)$	g	/
Rated output	mV/V	$2.000 \pm 0.002$
Input impedance	$\Omega$	$381 \pm 20$
Output impedance	$\Omega$	$350 \pm 1$
Excitation voltage	V	5~20(AC/DC), 12(AC/DC, recommended)
Cable connection	/	6-wire cable
Temperature range	$^{\circ}\text{C}$	-10/40
$P_{Lc}$	/	0.7
Maximum safe load	/	150% $E_{max}$

Additional information of the type tested

Digital load cell (Yes / no)	No
Load cell construction (e.g. S-type, ring type, bending beam)	S-type
Humidity symbol	CH
Direction of load	Tension
Load cell material	2Cr13 stainless steel
Sealing of strain gauge application (e.g. hermetically, potted)	Welding