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| OIML Member State United Kingdom of Great Britain and Northern Ireland | OIML Certificate No. R60/2017-A-GB1-21.01 |
| OIML CERTIFICATE ISSUED UNDER SCHEME A | |
| OIML Issuing Authority | NMO Stanton Avenue Teddington TW11 0JZ United Kingdom Person responsible: Mannie Panesar – Head of NMO |
| Applicant | Shanghai Yousheng Weighing Apparatus Co., Ltd Building 26, No.99 Chunguang Road Xinzhuang Industrial Zone Minhang, Shanghai PR China |
| Manufacturer | Qidong Youming Weighing Apparatus Co., Ltd No.135, Jianghai street, Yin Yang Town Qidong City, Jiangsu Province PR China |
| Identification of the certified type | ZET-EC <i>(the detailed characteristics are defined in the Descriptive Annex)</i> |
| <p>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):</p> <p>OIML R 60, Edition: 2017</p> <p>For accuracy class: C3</p> | |
| <p>Issue date: 13 September 2021</p> <p>The OIML Issuing Authority</p>  <p>Grégory Glas Lead Technical Manager <i>For and on behalf of the Head of NMO</i></p> | |

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. P02564 dated 13 September 2021 that includes 4 pages

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

No. P02564-D dated 13 September 2021.

OIML Certificate History

| Revision No. | Date | Description of the modification |
|---------------------|-------------------|--|
| Revision 0 | 13 September 2021 | Certificate first issued |
| - | - | - |

No revisions have been issued.

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.

DESCRIPTIVE ANNEX

Characteristics of the Load Cell:

| | Designation | Value | | | Units |
|---|---|-----------------|-------|-------|-----------------|
| Accuracy Class | | C3 | | | |
| Additional marking | | CH ↓↑ | | | |
| Maximum number of load cell verification intervals | n_{LC} | 3 000 | | | |
| Maximum capacity | E_{max} | 10 | 20 | 40 | kg |
| Minimum dead load, relative | E_{min}/E_{max} | 0 | | | % |
| Minimum load cell verification interval | V_{min} | 0.001 | 0.002 | 0.004 | kg |
| Relative v_{min} (ratio to minimum load cell verification interval) | $Y = E_{max}/V_{min}$ | 10 000 | | | |
| Relative DR (ratio to minimum dead load output return) | $Z = E_{max}/(2*DR)$ | 4 500 | | | |
| Rated output | | 2.0 ± 0.2 | | | mV/V |
| Excitation voltage | | 3 - 12 | | | V dc |
| Input impedance | R_{LC} | 404 ± 6 | | | Ω |
| Temperature rating | | -10 / + 40 | | | $^{\circ}C$ |
| Safe overload, relative | E_{lim}/E_{max} | 150 | | | % F.S |
| Apportionment factor | P_{LC} | 0.7 | | | |
| Cable length | | ≤ 1.5 | | | m |
| Cable cross-section | | 4 x 0.5 (20AWG) | | | mm ² |
| Additional characteristics: | 4 wire: Red (+Excitation) Green (+Signal) Yellow (-Excitation) Blue (-Signal) | | | | |
| Maximum Excitation voltage | | 12 | | | V dc |
| Output impedance | | 350 ± 3 | | | Ω |
| Transducer material | | Aluminium | | | |
| Atmospheric protection | | IP65 | | | |

The above identified Type (also identified in the associate OIML Test Report) have been found to comply with the additional national requirements established by the United States of America (NIST Handbook 44 and NCWM Publication 14), included in the Utilizer Declaration:

- R60 OIML-CS rev. 2, Additional requirements from the United States Accuracy class III L.
- R60 OIML-CS rev. 2, Additional requirements from the United States Marking requirements.