

	
OIML Member State United Kingdom of Great Britain and Northern Ireland	OIML Certificate No. R76/2006-A-GB1-18.06
OIML CERTIFICATE ISSUED UNDER SCHEME A	
OIML Issuing Authority NMO Stanton Avenue Teddington TW11 0JZ United Kingdom Person responsible: Mannie Panesar – Head of Technical Services	
Applicant Ningbo ETDZ HanSen Measurement Co.,Ltd NO.8 NenJiang Road, Beilun Ningbo 315800 PR China	
Manufacturer The applicant	
Identification of the certified type KTACS Series <i>(the 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 76-1, Edition: 2006</p> <p>For accuracy class: III</p>	
<p>Issue date: 20 November 2018</p> <p>The OIML Issuing Authority</p>  <p>Grégory Glas Lead Technical Manager <i>For and on behalf of the Head of Technical Services</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. P01657 dated 20 November 2018 that includes 16 pages.

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

No. P01657-D dated 20 November 2018.

OIML Certificate History

Revision No.	Date	Description of the modification
Revision 0	20 November 2018	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 instrument:

The KTACS Series is a family of Class III, mains or battery-operated, self-indicating, single interval, non-automatic weighing instruments.

The instrument may be used for direct sales to the public.

Construction:

- Plastic construction
- Plastic / Stainless Steel load receptor
- Dual, integral, LCD/LED display
- Operator keypad
- LCD/LED enunciators
- Level indicator

Devices:

- Initial zero setting device ($\leq 20\%$ of Max)
- Semi-automatic zero setting device ($\leq 4\%$ of Max)
- Zero tracking (optional) ($\leq 4\%$ Max)
- Zero indicator
- Stable weight indicator
- Semi-automatic subtractive tare balancing ($T = - \text{Max}$)
- Price-computing (weighed and non-weighed items)
- Price Look Up (PLU)
- Price clear and tare clear functions

Model variants and designation:

Model	Display	Overall size / load receptor size
KTACS-Q1	LCD	33.5x35x12.5cm / 31x22cm
KTACS-Q3	LED	33.5x35x12.5cm / 31x22cm
KTACS-A4	LCD/LED	32x35x11.5cm / 31x22cm
KTACS-Q5	LED	35x31x12.2cm / 31x22cm
KTACS-Q7	LCD	35x31x12.2cm / 31x22cm

Load cell:

The instrument is fitted with ZEMIC load cell model L6D, E_{\max} as in Technical data.

Technical data:

The KTACS instrument can either operate on a 230 V, 50/60 Hz mains power supply or an integrated rechargeable 6 V, 4 Ah battery. The battery can be recharged during operation.

The temperature range for the instruments is 0 °C / +40 °C.

The metrological characteristics are listed below:

Max (kg)	3	6	15	30
Min (g)	20	40	100	200
e (g)	1	2	5	10
T ≤ (kg)	-3	-6	-15	-30
E _{max} (kg)	5	8	20	40

Software:

The software identification shall be V2.0x, with x reflecting non-legally relevant changes. This information is displayed at power up.

Access to the legally relevant parameters and download of software is only possible by accessing the calibration jumper on the main board. This is prevented by sealing the enclosure (Sealing section).

Interfaces:

The instruments have no accessible interfaces.

Sealing:

Access to the load cell connection(s) and calibration jumper on the main board must be prevented by a tamper-evident solution.

Alternatives:

There are currently no authorised alternatives.