

**OIML Member State**United Kingdom of Great Britain  
and Northern Ireland**OIML Certificate No.**  
**R76/2006-A-GB1-20.03****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 **Adam Equipment**  
**Maidstone Road**  
**Kingston**  
**Milton Keynes**  
**MK10 0BD**  
**United Kingdom**Manufacturer **The applicant**Identification of the certified type **CCT-M, CKT-M, SWZ**  
*(the detailed characteristics are defined in the Descriptive Annex)*

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 76, Edition: 2006**

For accuracy class: III

Issue date: **25 February 2020****The OIML Issuing Authority****Marek Bokota****Technical Manager***For and on behalf of the Head of Technical Services*

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. P02740 dated 25 February 2020 that includes 18 pages.

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

No. P02740-D dated 25 February 2020.

#### **OIML Certificate History**

<b>Revision No.</b>	<b>Date</b>	<b>Description of the modification</b>
0	25 February 2020	OIML 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

### Introduction:

The instruments, designated the CCT-M, CKT-M, and SWZ, comprise a digital weight indicator connected to a load cell to form a family of single or dual interval, Class III, non-automatic weighing instruments. The instruments are self-indicating and mains-powered with an optional, internal rechargeable battery for back-up power.

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

### Model variants and designation:

The scale model group names are CCT-M, CKT-M, SWZ, within the scale model group names are various versions depending on capacity and construction, so for example there is a model CCT-4M which is a member of the CCT-M scale group, the 4 in the model name represents the maximum capacity in kg. Another example is SWZ-15D, this is a 15kg Dual interval scale, 15 represents the 15kg capacity and the D represents the Dual interval. There are also rear Pillar versions of the scale model groups which are denoted with a P at the end of the model name, for example SWZ-15DP, is a 15kg capacity, dual interval with a pillar rear display.

### Main features:

- ABS Plastic enclosure
- Stainless steel weighing pan
- LCD Segment display
- Operator keypad with numerical, navigation and function keys
- Bubble level indicator
- Four adjustable rubber feet
- Optional additional pole-mounted or rear display (SWZ only)

### Devices:

- Initial zero setting device on power up
- Semi-automatic zero setting
- Semi-automatic subtractive tare weighing
- Zero-indicator
- Zero-tracking
- Net indication
- Indication of stable equilibrium
- Net indicator
- Printing
- Weight accumulation
- Price computing (SWZ only)
- Price labelling
- Parts counting (CCT-M and CKT-M only)
- Checkweighing (CCT-M and CKT-M only)

Technical data:

Indicator	CCT-M, CKT-M and SWZ	
Maximum number of scale intervals	3,000 (Class III), single or dual interval	4,000 (Class III), single or dual interval
Minimum input voltage per verification scale interval	1.00 $\mu$ V	1.67 $\mu$ V
Maximum Tare value	- Max	
Load cell excitation voltage	5 VDC	
Minimum load cell impedance	350 $\Omega$	
Maximum load cell impedance	1100 $\Omega$	
Measuring range minimum voltage	0 mV	
Measuring range maximum voltage	20 mV	
Fraction of maximum permissible error	$P_1 = 0.5$	
Operating temperature range	- 10 °C to + 40 °C	
Power supply	100-240 VAC, 50/60 Hz; 6VDC optional battery	

Load cell:

Any compatible load cell(s) may be used providing the following conditions are met:

- There is a respective OIML Certificate of Conformity (R60) for the load cell.
- The certificate contains the load cell types and the necessary load cell data required for the manufacturer's declaration of compatibility of modules, and any particular installation requirements. A load cell marked NH is allowed only if humidity testing to R76 has been conducted on this load cell.
- The compatibility of the load cells and indicator is established by the manufacturer by means of the compatibility of modules calculation at the time of verification.
- The load cell transmission conforms to a standard type.

Interfaces:

- Load cell connection (internal only)
- RS232/485
- USB

Software:

The software is held in firmware on the circuit board, and has the identification as described below:

Instrument	Software identification
CCT-M	v1.xx
CKT-M	v1.xx
SWZ	v1.xx

with xx reflecting non-legally relevant changes. The software version number is displayed at power-up.

Download of software is prevented by hardware sealing. The program is fully embedded on the integrated circuit on the PCB and downloads aren't possible without removing the integrated circuit.

Access to the legally relevant parameters is prevented by hardware sealing. A jumper must be fitted on the PCB to gain access to legally relevant parameters. Once the jumper is fitted, a service password is required to access legally relevant parameters.

Sealing:

The entire casing is secured by a tamper proof label over an underside case screw.

Access to the jumper connection described above is secured by a tamper proof label over the access hole.

Alternatives:

There are currently no authorised alternatives.