NMO

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United Kingdom of Great Britain
and Northern Ireland

OIML Certificate No
R76/2006-GB1-16.07
Revision 1

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **NMO**

Person responsible: **Max Linnemann – Head of Certification Body**

Applicant: **Avery Berkel**
Foundry Lane
Smethwick
West Midlands B66 2LP
United Kingdom

Manufacturer: **The applicant**

Identification of the certified pattern: **XTi or XTs family of instruments**

This certificate attests the conformity of the above-mentioned pattern (represented by the samples identified in the associated test report) with the requirements of the following Recommendation of the International Organisation of Legal Metrology (OIML):

OIML R 76 - Edition 2006(E) for **accuracy class**: [III]

This certificate relates only to the metrological and technical characteristics of the pattern of the instrument concerned, as covered by the relevant OIML International Recommendation.

This certificate does not bestow any form of legal international approval.

Important note: Apart from the mention of the certificates reference number and the name of the OIML Member State in which the certificate was issued, partial quotation of the certificate or of the associated test report is not permitted, though they may be reproduced in full.

This revision replaces previous versions of the certificate.

Issue Date: **27 July 2016**
Reference No: **TS1201/0156**

Technical Manager
For and on behalf of the Head of Certification Body

UKAS PRODUCT CERTIFICATION
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The conformity was established by testing and examination as described in the associated Evaluation Report P01840 which includes 14 pages.

Characteristics of the instrument:

The Avery Berkel XTi 100 and XTs 100 Non-Automatic Weighing Instruments are mains-powered, Class III, price-computing, stand-alone instruments. Maximum capacities are between 6 kg and 30 kg.

Main features:

The Avery Berkel XTi weighing instrument comprises:

- Vendor's TFT, WVGA colour touch-screen display/keyboard (10” – 13.3”) with up to 20 programmable keys. The angle of the display can be adjusted in the horizontal axis to suit operator or environmental requirements.
- Customer's TFT, WVGA colour display (7” – 10’’)
- Cassette printer using thermal print head.
- Die-cast chassis and plastic housing that contains the load cell and electronics.
- Stainless steel load receptor.

The Avery Berkel XTs weighing instrument comprises:

- Vendor's TFT, WVGA colour touch-screen display/keyboard (7”) with up to 20 programmable keys and separate 17 key tactile keypad with fixed function and numeric keys. The angle of the display can be adjusted in the horizontal axis to suit operator or environmental requirements.
- Customer's TFT, WVGA colour display (7” – 10”). The layout and legends are identical to the vendor's display.
- Cassette printer using thermal print head.
- Die-cast chassis and plastic housing that contains the load cell and electronics.
- Stainless steel load receptor.

Devices:

- Initial zero-setting
- Semi-automatic zero-setting
- Automatic zero-setting
- Zero-tracking
- Zero indicator
- Net indicator
- Semi-automatic subtractive tare balancing/weighing
- Preset tare
- Price computing
- Automatic tilt sensor/compensation device, weight indication prevented for tilt greater than + 5° in longitudinal and transverse directions.
- Price-labelling configuration, in which case printing below Min is not allowed

Technical Data:

The instrument is mains-powered, 110 - 240 VA.C. 50/60 Hz. The temperature range for the instruments is -10 °C / +40 °C.

Interfaces:

- Ethernet (wired or R.F. connectivity)
- USB

Software:

Fixed legally relevant software parts that can only be loaded when breaking the seal (verified update), with changes being recorded in the audit log, and must match the following verification information (where 'x' covers minor software updates):

- Validation Library ABR30-000222 V2.x.x.x
- Load Cell Software ABR30-000218 V1.x.x.x

Legally relevant software parts that can be loaded without breaking the seal (traced update), with changes being recorded in the audit log, and must match the following verification information (where 'x' covers minor software updates):

- Legally Relevant Library V3.x.x.x
- Application ABR30-000413 V5.x.x.x

Non-legally relevant software parts can be loaded without breaking the seal or being included in the audit trail:

- Printer software
- Utilities software

Sealing measures:

The data plate is located on the left-hand side of the instrument, when viewed from the vendor side. It is secured, either by sealing or by being of a form such that it is destroyed when removed.

Components that may not be dismantled or adjusted by the user shall be secured by a tamper-evident label bearing a securing mark, and placed over the securing screw of the load cell cover. The sealing may be viewed through a transparent cover, which may be removed for sealing purposes, located in the centre of the top housing on the left hand side of the instrument, when viewed from the vendor side, after removal of the load receptor.

Alternatives:

1. Having the XTi or XTs 200, which has a tower mounted customer display.

2. Having the XTi or XTs 400, which has a tower mounted operator keyboard and double-sided tower mounted display as shown in.

3. Having the XTi 300 customer self service instrument.

4. Having the XTi series arranged as a weight only weighing instrument for use in combination with Test or Parts Certified PoS software.

5. Having the XTi or XTs 420, which is similar in construction to the XTi / XTs 400 but with an additional receipt printer incorporated into the operator keyboard/display.

6. Having the XTi or XTs 100, 200 and 400 models arranged with a self-service application, in which case the customer displays are made inoperative.

7. Having the XTi or XTs series customer self-service instruments, but with the option of making the customer displays active for assisted self-service operation.

8. Having the XTi 500 or XTs 500, utilising a hanging scale construction with the following metrological characteristics:

Max 6/15 kg	or	Max 15 kg
Min 40 g	or	Min 100 g
e = 2/5 g	or	e = 5 g

9. Having the XTi 101 customer self service instrument, which is similar in construction to the XTi 100 but without the rear customer display.

10. Having all models designated XTx, utilising alternative software running on Microsoft Windows OS, with the application software identified as follows:

    - Application ABR30-000433 V5.x.x.x

CERTIFICATE HISTORY

ISSUE NO.	DATE	DESCRIPTION
R76/2006-GB1-16.07	11 May 2016	Certificate first issued.
R76/2006-GB1-16.07 Revision 1	27 July 2016	Alternatives 9 and 10 added.