



**Member State of OIML
United Kingdom of Great Britain
and Northern Ireland**

**OIML Certificate No
R76/1992-GB1-10.01
Revision 3**

OIML CERTIFICATE OF CONFORMITY

Issuing authority

Name: **National Weights and Measures Laboratory
(Part of the National Measurement Office)**
Address: **Stanton Avenue
Teddington
Middlesex, TW11 0JZ
United Kingdom**

Person responsible: **Paul Dixon – Product Certification Manager**

Applicant

Name: **Avery Berkel**
Address: **Foundry Lane
Smethwick
West Midlands, B66 2LP
United Kingdom**

Identification of the certified pattern:

**XM Series, Models XM 100, XM 200, XM 400, XM 410,
XM 420, XM 500, XM601 and XM 603 non-automatic
weighing instruments**

Further characteristics see page 2

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 Organization of Legal Metrology (OIML):

OIML:	R76
Edition:	1992 (E)
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.

This revision replaces earlier versions of this certificate.

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The conformity was established by tests described in the associated:

NWML Test report:	SN 1113	having 14 pages
NWML Test report:	SN 1114	having 14 pages
NWML Test report:	SN 1127	having 36 pages
NWML Test report:	SN 1142	having 10 pages
NWML Test report:	SN 1150	having 8 pages
NWML Test report:	SN 1163	having 9 pages
Avery Weigh-Tronix Test report:	00231	having 16 pages
Avery Weigh-Tronix Test report:	00234	having 14 pages
Pattern Evaluation report:	P00283a	having 12 pages

The issuing authority



Mr P R Dixon

The CIML member



Mr P Mason

Date: 09 November 2010

Ref: T1128/0264

Characteristics: The Avery Berkel XM 100, XM 200, XM 400, XM 410, XM 420, XM 500, XM 601 and XM 603 non-automatic weighing instruments are mains-powered, Class III, price-computing, stand-alone instruments intended for direct sales to the public. Maximum capacities are between 6 kg and 30 kg (except XM 500: Max 15 kg, e = 5 g only)

Main features:

The XM 100 comprises a customer and operator display.

The XM 200 comprises a tower mounted customer display.

The XM 400 comprises a tower mounted operator keyboard and double-sided display.

The XM 420 is similar in construction to the XM 400 but with an additional receipt printer incorporated into the operator keyboard/display

The XM 410 is similar in construction to the XM 420 but without the base mounted cassette printer

The XM 500 utilises a hanging scale construction.

The XM 601 utilises a remote weighing platform, the XM 603 variant may be integrated into a manual or Auto Wrapper system.

Vendor's TFT, WVGA colour touch-screen display/keyboard 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. The layout and legends are identical to the vendor's display.

Cassette printer using thermal print head.

Main features (continued):

Die-cast chassis and plastic housing that contains the load cell and electronics.

Stainless steel load receptor.

Load cell:

The load cell is an Avery T103D, with E_{\max} varying according to the instrument capacity

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 $\pm 5^\circ$ in longitudinal and transverse directions.

Price-labelling configuration, in which case printing below Min is not allowed.

Interfaces:

Ethernet (wired or R.F. connectivity)

USB

Certificate History

ISSUE NO.	DATE	DESCRIPTION
R76/1992-GB1-10.01	18 January 2010	Certificate first issued.
R76/1992-GB1-10.01 Rev 1	12 July 2010	XM 500 model added.
R76/1992-GB1-10.01 Rev 2	03 August 2010	XM 601 / 603 models added.
R76/1992-GB1-10.01 Rev 3	09 November 2010	XM 410 / 420 models added.

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