

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

OIML Certificate No
R76/2006-GB1-17.06

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **NMO**
Person responsible: **Mannie Panesar – Head of Technical Services**
Applicant: **Zebra Technologies Corporation**
1 Zebra Plaza
Holtsville, NY
11742-1300
USA
Manufacturer: **The applicant**
Identification of the certified pattern: **MP70X1 & MP70X2** (where 'X' denotes alternative approved models, variables not affecting metrological parameters)

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 R76 - 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.

Issue Date: **12 May 2017**



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For and on behalf of the Head of Technical Services

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The conformity was established by testing and examinations described in the associated Evaluation Report P02070 which includes 14 pages.

Characteristics of the instrument:

The Zebra Technologies MP70X1 & MP70X2 scanner scales are a family of self-indicating, weight only, single or dual-interval, non-automatic weighing instruments.

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

Main features:

- Designed for flush-mounting in checkout surface, having frame extensions to support the instrument in the checkout counter
- Two model sizes with dimensions as below:
 - Medium: 398 mm x 292 mm
 - Long: 506 mm x 292 mm
- Steel framework supporting one load cell, barcode scanner and electronics
- Stainless steel load receptor:
- Single (MX-201) or dual (MX-202) pole-mounted display
- Optional Produce Flip-Up Bar Platter to weigh oversize objects
- Optional Customer Side Scanner (CSS)
- The instrument is designed for permanent installation in checkout surface so does not require a level indicator. The instrument should be made level at installation. The medium size model may be fitted with adjustable feet in which case the instrument is levelled and then fixed in place.

Devices:

- Initial zero setting device ($\leq 20\%$ of Max)
- Semi-automatic zero setting device ($\leq 4\%$ of Max)
- Zero tracking device ($\leq 4\%$ of Max)
- Automatic zero setting device
- Zero indicator
- Gravity compensation

Load cell:

The scale module, containing one digital load cell, mounting bracket and U-bar is a Flintec 20-MP7-M30-01, 20-MP7-M30-02, 20-MP7-M30-03 or 20-MP7-M30-04.

Technical data:

The instrument operates on a 12 V DC power supply, supplied via an external power supply unit. The external power supply unit operates on a 100-240 V AC, 50/60 Hz input.

	MP70X1	MP70X2
Min	100 g	40 g
Max	15 kg	6/15 kg
e=	5 g	2/5 g
Temperature range	0 °C / +40 °C	

Software:

The firmware identification shall be 1.04F. Any change in firmware will cause this number to change. Any change to calibration data will increment the non-resettable "C" counter. Any change to legally relevant parameters will increment the non-resettable "P" counter.

The firmware number, "C" counter and "P" counter, are displayed by ensuring the scale is at stable zero then holding the scale zero button (>0<) for 3 seconds. Continue to hold to alternate between identification codes including the firmware number, "C" followed by numerical values, and "P" followed by numerical values. Values are visible by integrated display and are simultaneously displayed on the remote display if present.

Interfaces:

- RS-232
- IBM 485
- USB

Sealing measures:

The load cell model number and serial number are stored in the scanner secure memory during manufacturing. At power up, the scanner software requests the scale model number and serial number from the Flintec Scale Module (Load Cell), and will fail to boot-up if the incorrect load cell is identified.

The value of the counters described under Software must be written on a tamper-evident label on or near the rating plate.

Additionally, scale modules 20-MP7-M30-02 and 20-MP7-M30-04 have a physical switch located under a screw on the U-bar (under the load receptor), which must be pushed before the scale can be calibrated. The calibration switch cover screw is sealed with a wire or plastic seal or can be covered with a tamper-evident label.

Alternatives:

The instrument may have an EAS Security Tag Deactivation antenna fitted beneath the platter "Live" weighing surface.

CERTIFICATE HISTORY

ISSUE NO.	DATE	DESCRIPTION
R76/2006-GB1-17.06	12 May 2017	Certificate first issued.
-	-	No revisions have been issued.