

	
OIML Member State United Kingdom of Great Britain and Northern Ireland	OIML Certificate No. R76/2006-A-GB1-20.11
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 NCR Corporation 864 Spring ST NW Atlanta, GA 30308 USA	
Manufacturer The applicant	
Identification of the certified type	MP70X1 & MP70X2 (where 'X' denotes alternative approved models, variables not affecting metrological parameters) <i>(the detailed 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: 09 October 2020</p> <p>The OIML Issuing Authority</p> <p>Marek Bokota 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. P02848 dated 08 October 2020 that includes 16 pages

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

No. P02848-D dated 08 October 2020

OIML Certificate History

Revision No.	Date	Description of the modification
0	09 October 2020	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 NCR Corporation 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 load cell.

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.

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

	MP70X1	MP70X2
Min	100 g	40 g
Max	15 kg	6/15 kg
e=	5 g	2/5 g

Interfaces:

- RS232
- IBM 485
- USB

Peripheral devices

The instruments may be connected to an Electronic Point of Sale (EPOS), Electronic Cash Register (ECR) or Electronic Fund Transfer (EFT/ECU).

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.

Sealing:

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.

Remote pole displays may be replaced by alternative 'Primary Weight Indication' on an approved EPOS customer/operator display.