



OIML Member State
United Kingdom of Great Britain
and Northern Ireland

OIML Certificate No.
R76/2006-A-GB1-21.03

OIML CERTIFICATE ISSUED UNDER SCHEME A

OIML Issuing Authority **NMO**
Stanton Avenue
Teddington
TW11 0JZ
United Kingdom

Person responsible: **Mannie Panesar – Head of NMO**

Applicant **Marsden Weighing Machine Group Ltd**
Unit 7, Centurion Business Park
Coggin Mill Way, Rotherham, S60 1FB
United Kingdom

Manufacturer **Marsden Weighing Machine Group Ltd**
Unit 1, Genesis Business Park
Sheffield Road, Rotherham
South Yorkshire S60 1DX
United Kingdom

Identification of the certified type **Marsden M-300 Infant Scale**
(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: 13 July 2021

The OIML Issuing Authority

Grégory Glas
Lead Technical Manager
For and on behalf of the Head of NMO

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. P02801 dated 13 July 2021 that includes 16 pages

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

No. P02801-D dated 13 July 2021

OIML Certificate History

Revision No.	Date	Description of the modification
0	13 July 2021	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

Characteristics of the instrument:

The Marsden M300 Infant Scale is a Class III, mains or battery-powered, self-indicating, Non-Automatic Weighing Instrument, and is designed to record the weight of a baby.

The instrument shall not be used for direct sales to the public.

Metrological characteristics:

Max	Min	e =
6/15 kg	0.040 kg	2/5 g

Construction:

- LCD display fitted into load receptor: 5 digits, with Zero, Net and Hold indicators.
- Three buttons (Tare, Hold, and On/Off/Zero)
- Aluminium base enclosure containing the load cell and electronics.
- Plastic load receptor with tray for baby weighing.
- Level indicator next to the display.
- Four adjustable feet for levelling.

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).
- Zero indicator.
- Semi-automatic subtractive tare balancing device.
- Net indicator.
- Hold facility.
- Hold indicator.
- Stable indicator

Load cell:

The load cells are based on Flintec planar beam PB7.5 kg. These are configured to enable use with the scales electronics which utilises the Acam Picostrain measuring principle.

Rated operation conditions:

The instrument may be powered from 2 x 1.5 V internal batteries or from a 12 V DC 300 mA, mains adaptor. Any compatible conformity assessed and marked mains adaptor may be used. The weight indication will be replaced with 'lo bAt' when the battery voltage falls below 2.14 V DC. The instrument switches off when the mains adaptor voltage falls below 5.6 V DC. The On/Off/Zero button needs to be pressed again to turn the scale on again under battery power.

The temperature range for the instrument is +5 °C to +35 °C.

Software:

The software is designated V1.03, this information is displayed when the Hold button is pressed for more than 8 seconds.

Interfaces:

The instrument has the following interface type:

- DC voltage input

Sealing:

The instrument is sealed by placing a tamper-evident label over one of the screws in the base plate which prevents opening of the housing. Access to the service button that allows calibration is also prevented by placing a tamper-evident label over the access hole.

Alternatives:

Having the authorised alternative manufacturer:

Flintec Transducers (Pvt) Ltd
PO Box 24
K.E.P.Z Phase 1
Spure Road 2
Katunayake
Sri Lanka