



[I-21/330/2025-W&M Section]

GOVERNMENT OF INDIA/भारत सरकार
MINISTRY OF CONSUMER AFFAIRS, FOOD AND PUBLIC DISTRIBUTION

उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय
DEPARTMENT OF CONSUMER AFFAIRS/ उपभोक्ता मामले विभाग
LEGAL METROLOGY DIVISION/ विधिक मापविज्ञान प्रभाग

Krishi Bhawan, New Delhi /कृषि भवन, नई दिल्ली

Dated/दिनांक:- 27 .01.2026

Certificate of Approval of Model/ मॉडल का अनुमोदन प्रमाणपत्र

Whereas the Central Government, after considering the report submitted to it by prescribed authority, is satisfied that the model described in the said report (see the figure given below) is in conformity with the provisions of the Legal Metrology Act, 2009 (1 of 2010) and the Legal Metrology (Approval of Models) Rules, 2011 and the said model is likely to maintain its accuracy over periods of sustained use and to render accurate service under varied conditions;

Now, therefore, in exercise of the powers conferred by section 22 of the Legal Metrology Act, 2009 (1 of 2010) read with sub-rule (6) of rule 8 and sub-rule (4) of rule 11 of the Legal Metrology (Approval of Models) Rules, 2011, as per OIML R 51, the Central Government hereby issues the certificate of approval of the model of automatic catch weighing instrument (check weigher) belonging to accuracy class XIII(x) with class designation factor $x=1$ of series “END XR-500g-200mm” and with brand name “ENDEAVOUR” (hereafter in referred to as the said model), manufactured by M/s Endeavour Instruments Private Limited , 45/3, Changodar Industrial Estate, Opp. S.T.Bus Stand, Sarkhej-Bavla Highway, Ahmedabad-382213, Gujarat and which is assigned the approval mark IND/09/26/ 39 (the picture of the model is given below as Figure 1);

Technical Data:

Type of instrument	Automatic Catch Weighing Instrument(Check Weigher)
Procedure Adopted for testing	OIML R 51
Working Principle	Electronics and load cell based
Accuracy class	XIII(x) with class designation factor $x=1$
Maximum capacity	500g
Minimum capacity	10g
Verification Scale interval (e)	0.2g
Belt Speed	Upto 60m/min
Checking Frequency	Upto 90 ppm
Belt size/Load receptor	400 mm X 300 mm
Power Supply	220 V AC,50Hz
Display	Touch Screen Liquid Crystal Display (LCD)
Load Cell details	Make: German HBM; Model: SP4MC3MR; Accuracy Class : C3; Maximum Capacity: 20kg;
Software version	EipICW_V001.01
Software Checksum	JYJ204
Intended use	Used for products like food and beverages in pharma industry for tablets and capsules, small industrial components etc.

Figure 1



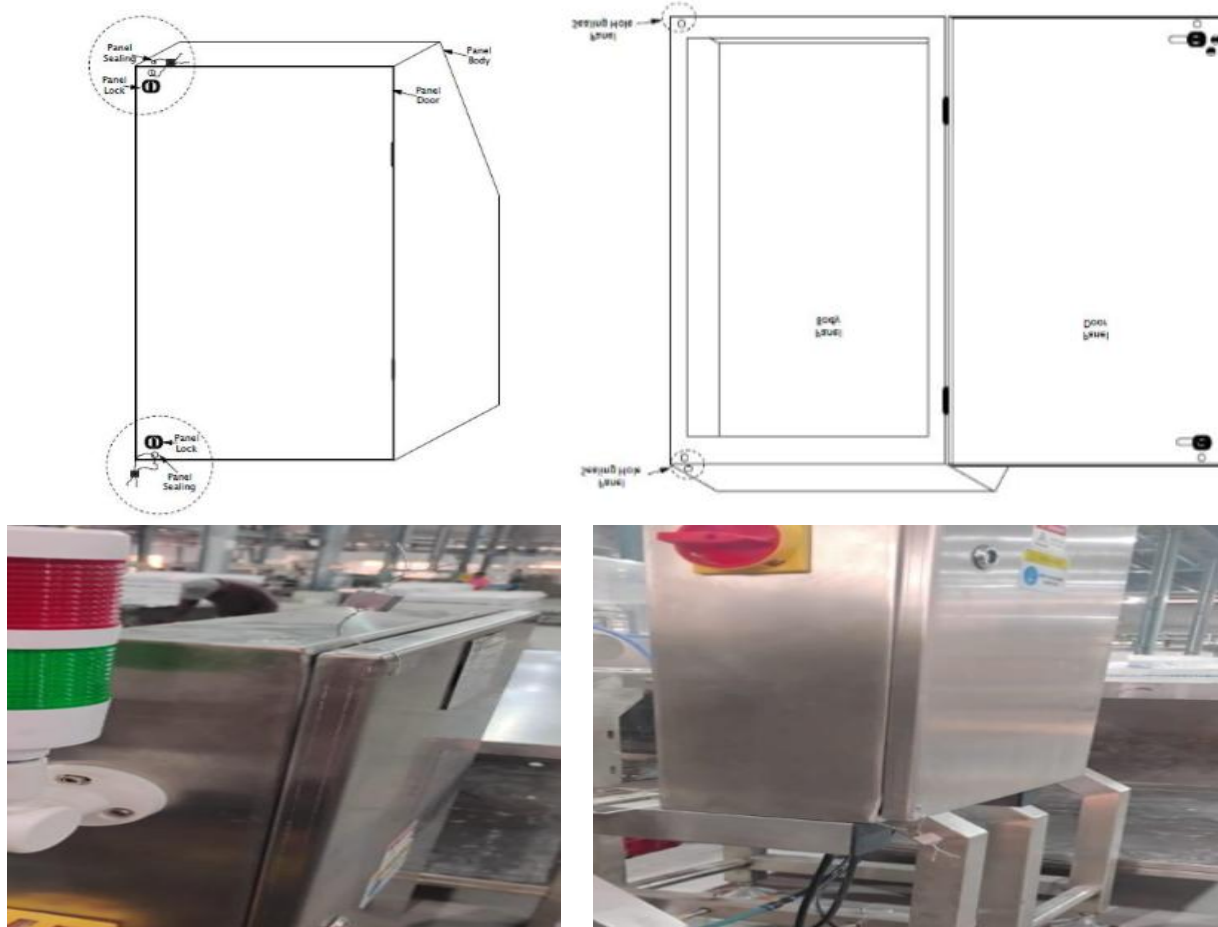


Figure 2

A typical schematic diagram and photograph of sealing provision to prevent the fraudulent practices of the model is given above as Figure 2. A dip switch has also been provided in mother board/PCB to disable access to external calibration.

Further, in exercise of the power conferred by sub-rule (9) of rule 8 of the Legal Metrology (Approval of Models) Rules, 2011, the Central Government hereby declares that this certificate of approval of the said model shall also cover the weighing instruments of similar make, accuracy and performance of same series with capacity up to 5kg with number of verification scale interval (n) in the range of 500 to 10000 for 'e' value of 5g or more and with number of verification scale interval (n) in the range of 100 to 10000 for 'e' value of 100mg to 2g with 'e' value of 1x10k, 2x10k or 5x10k, where k is a positive or negative whole number or equal to zero manufactured by the same manufacturer in accordance with the same principle, design and with the same materials with which, the said approved model has been manufactured.

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(Ashutosh Agarwal/आशुतोष अग्रवाल)
Director (Legal Metrology) to Govt. of India/ निदेशक (विधिक माप विज्ञान) भारत सरकार
Phone/दूरभाष 01123389489
Email/ई-मेल: dirwm-ca@nic.in

Online Application No. 23327