



[I-21/260/2026-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:- 28 .08.2026

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 51:2006, 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), where x=1 of series "Essentus Advanced" and with brand name "Minebea Intec" (hereafter in referred to as the said model), manufactured by M/s. MINEBEA INTEC INDIA PRIVATE LIMITED, 26-D, Phase-II, KIADB Industrial Area, Peenya, Bangalore, Karnataka- 560058 and which is assigned the approval mark IND/09/26/ 416 (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 & Conformity	OIML R 51
Working Principle	Strain Gauge type load cell
Accuracy class	XIII(x), with class designation factor x=1,
Maximum capacity	3 kg
Minimum capacity	80 g
Verification Scale interval (e)	0.5 g
Belt Speed/checking frequency	1 meter/minute to 60 meter/minute; checking frequency upto 80 ppm
Belt size/Load receptor	400mm X 300 mm
Type of Operation	Weighs dynamically during the automatic operation
Load Cell	Make : Minebea; Accuracy class: C3; Model: 011 Series; Capacity: 15 kg;
Power Supply	230 V AC/440V AC
Display	Colour Touch Screen LCD
Software version	001.000.000
Checksum	f78faa43839a4ec7a3fccac62b72ce226649008f74ac97f669426999a0c9bd95

Figure 1

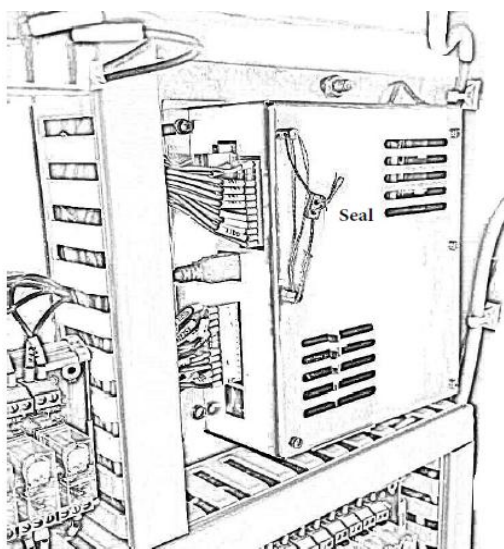


Figure 2

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 Automatic Catch Weighing Instrument (check weigher) of similar make, accuracy and performance of same series with capacity up to 12 kg 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 1×10^k , 2×10^k or 5×10^k , where k is a positive or negative whole number or equal to zero, belt speed upto 72m/min and checking frequency upto 120 ppm 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.

[F.No. I-21/260/2026-W&M Section]



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