



[I-21/307/2025-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:- 28.11.2025

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 Y(b) of series "TWO LANE ULTRA" and with brand name "HORTISORT" (hereafter in referred to as the said model), manufactured by M/s. Zentron Labs Private Limited, G.001 & 002, Touchdown, HAL Industrial Estate, Vibhutipura, Bengaluru-560037 and which is assigned the approval mark IND/09/25/ 506 (the picture of the model is given below as Figure 1);

Technical Data:

Type of instrument	Automatic Catch Weighing Instrument(Grading Instrument)
Procedure Adopted for testing & Conformity	OIML R 51 :2006
Working Principle	strain gauge type load cell based
Accuracy class	Y(b)
Maximum capacity	3 kg
Minimum capacity	25 g
Verification Scale interval (e)	5 g
Speed	4 to 10 units/second/lane
Power Supply	230 V AC,50Hz AC
Display	Liquid Crystal Display (LCD)
Load Cell details	Manufacturer: Thames Side; Model: T 16; Accuracy Class : C; Capacity of each load cell: 5kg; Type of load cell: Strain gauge type
Software version	8.1.2509.2323
SHA-256 Checksum	09C8ABE9D289696EB84600659EA864A6E899F5DA9DBBFB2786C2F9E3989D0FF2
Material for grading	Fruit and vegetable items etc.

Figure 1





SEALING DIAGRAM FOR ADC BOARD

Sealing is done as shown in the figure. DIP switch is provided on the mother board to disable the external calibration

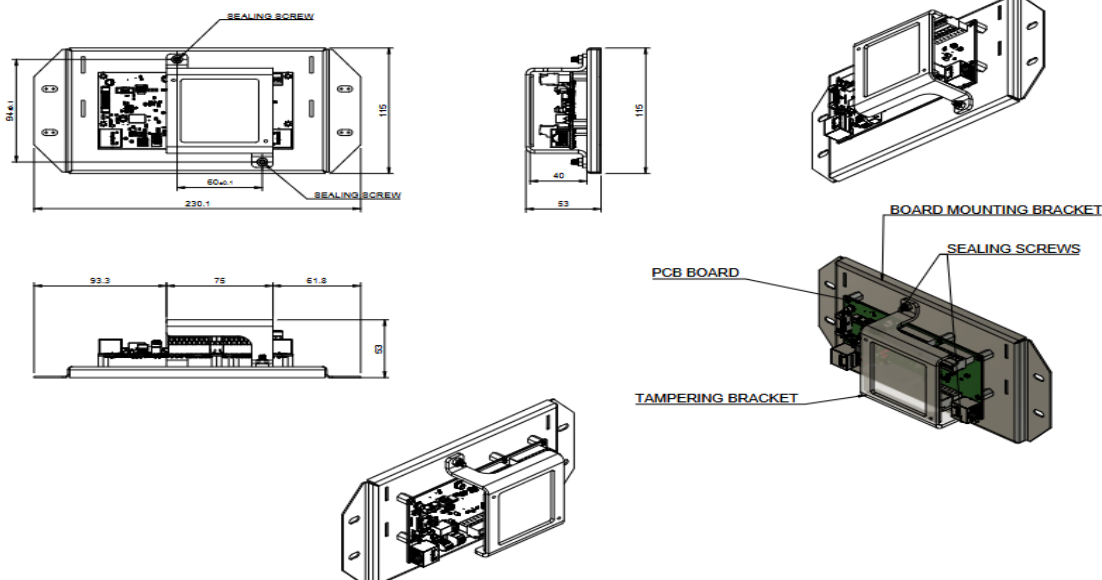


Figure 2

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 of the capacities up to 5 kg with number of verification scale interval (n) in the range of 100 to 1000 for 'e' value of 5g or more, 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.

[F.No. I-21/307/2025-W&M Section]



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. 23429