



Online Application No. 23262

[I-21/256/2026-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:- 18.08.2026

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 "DAS-DCW-KA" and with brand name "DAS ELECTRONICS" (hereafter in referred to as the said model), manufactured by M/s.Das Electronics Work Private Limited Building No. 5A, Unit No.3, Sagar Industrial Estate, K.N. Dhumal Nagar, Waliv, Vasai (East), District-Palghar, Maharashtra- 401208 and which is assigned the approval mark IND/09/26/405 (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 51:2006
Working Principle	Electronics and load cell based
Accuracy class	XIII(x), with class designation factor x=1,
Maximum capacity	50kg
Minimum capacity	10 kg
Scale interval (e)	10 g
Belt Speed/checking frequency	Upto 21 meter/minute; checking frequency upto 14 ppm
Belt size/Load receptor	1400mm X 900 mm
Type of operation	Weighs dynamically
Load Cell	Make: SCAIME; Accuracy class: C3; Model: F60X100 C3 10e 6-W TR; Capacity: 100kg each (04 Nos.);
Power Supply	220 V AC , 50 Hz
Display	TFT LCD
Firmware version	1.0.0.60
Checksum	7C14C0FCCE1A28D81C79C53DF09A63566564A74A49291D6D2609F708 46889A49
Intended use	Used for checking of weights of food , grain, pulses, dairy, pharmaceuticals, chemicals, packaging and other industrial products etc.



Figure 1



Sealing of the Indicator



Sealing of the Calibration lock Dip Switch



Figure 2

Sealing is done by passing the sealing wire through the two holes provided in the indicator housing of the device. The dip switch box is sealed with wire and lead seal for calibration. 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 maximum capacity up to 70 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 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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