

# FULL SCALE CALIBRATION AND ZERO ERROR RECORD

(Analytical and precision weighing balance)

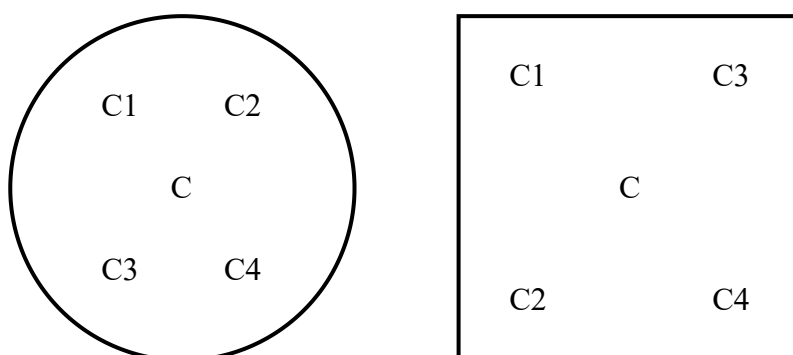
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Dept. : NA Month and year: Jun 2026  
Code No.: EM-256 Capacity(a) : 150.000 (Kg)  
Make: ESSAE Model: IND01  
Standard Weight Box Id : SWB-01 Least Count : 0.001 (Kg)

## 1. Eccentricity test :

**Note:** Adjust zero error before commencing the weighing operation.



| Sr No. | Standard Weight (Kg) | Position | Reading displayed by the balance (Kg) | Deviation from center = X - C | Remark |
|--------|----------------------|----------|---------------------------------------|-------------------------------|--------|
| 1.     | 0.500                | C        | 0.499                                 | .....                         | Ok     |
| 2.     | 0.500                | C1       | 0.501                                 | 0.002                         | Ok     |
| 3.     | 0.500                | C2       | 0.503                                 | 0.004                         | Ok     |
| 4.     | 0.500                | C3       | 0.500                                 | 0.001                         | Ok     |
| 5.     | 0.500                | C4       | 0.498                                 | -0.001                        | Ok     |

Where, X = C1, C2, C3, C4 i.e. different corners of the balance.

**Acceptance criteria :** Deviation is not more than 0.05%

**Result:** Ok

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## 2. Repeatability test :

| Sr. No.                   | Standard Weight (Kg) | Reading displayed on the balance (Kg) | Remarks |
|---------------------------|----------------------|---------------------------------------|---------|
| 1                         | 0.500                | 0.500                                 | Ok      |
| 2                         | 0.500                | 0.500                                 | Ok      |
| 3                         | 0.500                | 0.501                                 | Ok      |
| 4                         | 0.500                | 0.499                                 | Ok      |
| 5                         | 0.500                | 0.500                                 | Ok      |
| 6                         | 0.500                | 0.500                                 | Ok      |
| 7                         | 0.500                | 0.501                                 | Ok      |
| 8                         | 0.500                | 0.500                                 | Ok      |
| 9                         | 0.500                | 0.499                                 | Ok      |
| 10                        | 0.500                | 0.500                                 | Ok      |
| Mean                      |                      | 0.000                                 | -       |
| Standard Deviation (S.D.) |                      | 0.0000                                | -       |

$$\text{Repeatability (\%)} = \frac{2 \times (0.41 \times d)}{\text{Reported standard weight (Kg)}} \times 100 = \text{NA}$$

**Acceptance criteria :** Repeatability is NMT 0.10 %

**Result :** Not Ok

**Comment:** \_\_\_\_\_

**Calibration performed by :** Tantra (3)

**Checked by :** Tushar (4005)

**Date:** 18/06/2026

**Date:** 18/06/2026

**Printed by Name:** Tantra

**Emp Code:** 3

26/06/2026 17:15

**Result:** g