**SCOPE 8 ЛК**

**Sofia, 25.10.2024**

**CONTROL ENGINEERING LTD.**

**LABORATORY FOR CALIBRATION OF MASS MEASURING INSTRUMENTS**

**Management address:** 4015 Plovdiv, Residential Area Zapaden, 53A Elin Pelin Str.

**Laboratory address:** 4003 Plovdiv, Residential Area Severen, 149 Brezovsko Shosse Str.

**To perform calibration of:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Type of the scope:** *fixed* | | | | | |
| **№** | **Measuring**  **instrument** | **Measured quantity,**  **Measurement unit** | **Range of measurement** | **Calibration and measurement capability (CMC)** | **Calibration method** |
| **1** | **2** | **З** | **4** | **5** | **6** |
| 1. | Weights  class М | kg | 5 kg | 87 mg | Comparative  method  МК 702-01/2020 |
| 10 kg | 100 mg |
| 20 kg | 110 mg |
| 1 000 kg | 16 g |
| 2. | Balances  class I | kg | to 500 g | 0,075 mg | Comparative  method  МК 702-02/2020 |
| 3. | Balances class II | kg | from 0,002 g to 500 g | from 0,8 mg to 11 mg | Comparative  method  МК 702-02/2020 |
| from 500 g to 6 000 g | from 11 mg to 19 mg |
| from 6 000 g to 41 000 g | from 19 mg to 200 mg |
| 4. | Balances  class  III and IIII | kg | from 0,002 kg to 100 kg | from 0,6 g to 8 g | Comparative  method  МК 702-02/2020 |
| from 100 kg to 500 kg | from 8 g to 50 g |
| from 500 kg to 2 000 kg | from 50 g to 210 g |
| from 2 000 kg to 10 000 kg | from 210 g to 1 kg |
| from 10 000 kg to 80 000 kg | from 1 kg to 12,9 kg |

**Note:**

1. The calibration of the measuring instruments under item 1 is carried out at the Laboratory.

2. The calibration of the measuring instruments under item 2, item 3 and item 4 is carried out on site at the customer.

**References:**

1. MK 702-01/2020 Methods for calibrating weights.

2. MK 702-02/2020 Methods for calibrating electronic and dial balances.