SCOPE 9 ЛК

**BULGARIAN INSTITUTE OF METROLOGY**

**General Directorate National Centre of Metrology**

**Mechanical Measurements Department**

**Mass Measuring Instruments Calibration Laboratory**

**Management** **address:** 1797 Sofia, 52B G.M. Dimitrov Blvd.

**laboratory address**: 8010 Burgas, r.c. Slaveykov, 25 Prof. Yakim Yakimov Str.

**To perform calibration of:**

| **Scope of accreditation:** *fixed* |
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| **№** | Type of measuring instrument | Measured quantuty, measurement unit | Measurementrange | Measurementuncertainty | Calibration method |
| **1** | **2** | **3** | **4** | **5** | **6** |
| 1. | Weights class F1 | Mass, kilogram kg and its submultiples and multiples | from 1 mg to 500 mg | from 0,012 mg to 0,014 mg | ЛКСИМ-М-02:2021 |
| from 1 g to 500 g | from 0,014 mg to 0,12 mg |
| from 1 kg to 5 kg | from 2 mg to 5 mg |
| from 10 kg to 20 kg | from 10 mg to 20 mg |
| 2. | Weights class F2 |  Mass, kilogram kg and its submultiples and multiples | from 1 mg to 500 mg | from 0,012 mg to 0,014 mg | ЛКСИМ-М-02:2021 |
| from 1 g to 500 g | from 0,020 mg to 0,14 mg |
| from 1 kg to 5 kg | from 3,0 mg to 17 mg |
| from 10 kg to 20 kg | from 39 mg to 69 mg |
| 3. | Weights class M1 | Mass, kilogram kg and its submultiples and multiples | from 1 mg to 500 mg | from 0,012 mg to 0,014 mg | ЛКСИМ-М-02:2021 |
| from 1 g to 500 g | from 0,030 mg to 0,16 mg |
| from 1 kg to 5 kg | from 6,0 mg to 17 mg |
| from 10 kg to 20 kg | from 45 mg to 89 mg |
| 1000 kg | 27 g |
| 4. | Electronic scales with non-automatic action |  Mass, kilogram kg and its submultiples and multiples | up to and including 2,2 kg | from 0,012 mg to 0,1 mg | ЛКСИМ-М-01:2019 |
| from 2,2 kg to 100 kg | from 0,1 mg to 200 mg |
| from 100 kg to 300 kg | from 0,2 g to 3 g |

**Fixed Scope**

**References:**

ЛКСИМ-М-01, Version 01/25.11.2019, Calibration procedure for electronic scales with non-automatic action

ЛКСИМ-М-02, Version 02/27.09.2021, Calibration procedure for weights and sets of weights by direct comparison method