

# OIML Mass & Weight Sets

Calibration Service from 1 mg to 1 ton



## Weight Sets

Stainless steel, E2,F1,F2 and M1 weight sets in different combinations, protection in fit and durable aluminum boxes.



## Calibration Service

BAYKON Mass Laboratory has accredited from E2 class 1 mg to M1 class 1000 kg by TÜRKAK which has multilateral agreement with EAC (European Co-Operation For Accreditation).



High quality BAYKON mass and weight sets, can fulfill your demand from 1 mg E2 up to 1 ton M3 OIML classes. You can take all service related with your mass as calibration service and accredited certificates.

BAYKON Mass Laboratory, has TÜRKAK accreditation according to ISO/IEC 17025 standards. BAYKON calibration certificates, are available all Europe countries due to agreement (MLA) between TÜRKAK and EUROPEAN CO-OPERATION FOR ACCREDITATION.

**BAYKON**  
Industrial Weighing Systems

# OIML E<sub>2</sub>, F<sub>1</sub> & M<sub>1</sub> CLASS

## Mass and Weight Sets



Sheet Weights  
1 mg – 500 mg



Knob Weights  
1g–20kg



Material : Stainless Steel  
 Density : E<sub>2</sub> – 7,9 gr/cm<sup>3</sup>  
               F<sub>1</sub>, F<sub>2</sub>, M<sub>1</sub> – 7,9 gr/cm<sup>3</sup>  
 Magnetic Density : E<sub>2</sub> < 0,005  
                           F<sub>1</sub>, F<sub>2</sub>, M<sub>1</sub> < 0,05  
 Magnetization : E<sub>2</sub> ≤ 8μT  
                           F<sub>1</sub> ≤ 25μT ; F<sub>2</sub> ≤ 80μT  
 Box : 1 mg – 200 g plastic  
       500 g – 20 kg aluminum

| WEIGHT SETS  |               |              |              |              |             |             |           |           |             |
|--------------|---------------|--------------|--------------|--------------|-------------|-------------|-----------|-----------|-------------|
| Set Contents | 1mg<br>500 mg | 1mg<br>100 g | 1mg<br>200 g | 1mg<br>500 g | 1g<br>200 g | 1g<br>500 g | 1g<br>1kg | 1g<br>2kg | 1g<br>10 kg |
| 1 mg         | •             | •            | •            | •            |             |             |           |           |             |
| 2mg          | • •           | • •          | • •          | • •          |             |             |           |           |             |
| 5mg          | •             | •            | •            | •            |             |             |           |           |             |
| 10 mg        | •             | •            | •            | •            |             |             |           |           |             |
| 20 mg        | • •           | • •          | • •          | • •          |             |             |           |           |             |
| 50 mg        | •             | •            | •            | •            |             |             |           |           |             |
| 100 mg       | •             | •            | •            | •            |             |             |           |           |             |
| 200 mg       | • •           | • •          | • •          | • •          |             |             |           |           |             |
| 500 mg       | •             | •            | •            | •            |             |             |           |           |             |
| 1g           |               | •            | •            | •            | •           | •           | •         | •         | •           |
| 2g           |               | • •          | • •          | • •          | • •         | • •         | • •       | • •       | • •         |
| 5g           |               | •            | •            | •            | •           | •           | •         | •         | •           |
| 10g          |               | •            | •            | •            | •           | •           | •         | •         | •           |
| 20g          |               | • •          | • •          | • •          | • •         | • •         | • •       | • •       | • •         |
| 50g          |               | •            | •            | •            | •           | •           | •         | •         | •           |
| 100 g        |               |              | •            | •            | •           | •           | •         | •         | •           |
| 200 g        |               |              | • •          | • •          | • •         | • •         | • •       | • •       | • •         |
| 500 g        |               |              |              | •            |             | •           | •         | •         | •           |
| 1kg          |               |              |              |              |             |             | •         | •         | •           |
| 2kg          |               |              |              |              |             |             |           | • •       | • •         |
| 5kg          |               |              |              |              |             |             |           |           | •           |
| 10 kg        |               |              |              |              |             |             |           |           | •           |



### ACCESSORIES



Tweezers



Weight Handle



Weight Fork



Nylon Glove



Brush

# OIML M<sub>1</sub>, M<sub>2</sub> & M<sub>3</sub> CLASS

## Masses and Weight Baskets



Stainless 2Cr13  
5kg – 10kg – 20kg



- GMP and HACCP compatible for hygienic areas
- Easy transportation and quick calibration with calibrated stainless steel

### Iron Weights



Cast Iron  
5kg–10kg–20kg–50kg



500kg



1000kg

### Error Tolerances according to OIML R111

| Nominal Value | E1<br>±mg | E2<br>±mg | F1<br>±mg | F2<br>±mg | M1<br>±mg | M2<br>±mg | M3<br>±mg |
|---------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1 mg          | 0,003     | 0,006     | 0,02      | 0,06      | 0,2       |           |           |
| 2 mg          | 0,003     | 0,006     | 0,02      | 0,06      | 0,2       |           |           |
| 5 mg          | 0,003     | 0,006     | 0,02      | 0,06      | 0,2       |           |           |
| 10 mg         | 0,003     | 0,008     | 0,025     | 0,08      | 0,25      |           |           |
| 20 mg         | 0,003     | 0,01      | 0,03      | 0,1       | 0,3       |           |           |
| 50 mg         | 0,004     | 0,012     | 0,04      | 0,12      | 0,4       |           |           |
| 100 mg        | 0,005     | 0,016     | 0,05      | 0,16      | 0,5       | 1.6       |           |
| 200 mg        | 0,006     | 0,02      | 0,06      | 0,2       | 0,6       | 2.0       |           |
| 500 mg        | 0,008     | 0,025     | 0,08      | 0,25      | 0,8       | 2.5       |           |
| 1 g           | 0,01      | 0,03      | 0,1       | 0,3       | 1.0       | 3.0       | 10        |
| 2 g           | 0,012     | 0,04      | 0,12      | 0,4       | 1.2       | 4.0       | 12        |
| 5 g           | 0,016     | 0,05      | 0,16      | 0,5       | 1.6       | 5.0       | 16        |
| 10 g          | 0,02      | 0,06      | 0,2       | 0,6       | 2.0       | 6.0       | 20        |
| 20 g          | 0,025     | 0,08      | 0,25      | 0,8       | 2.5       | 8.0       | 25        |
| 50 g          | 0,03      | 0,1       | 0,3       | 1.0       | 3.0       | 10        | 30        |
| 100 g         | 0,05      | 0,16      | 0,5       | 1.6       | 5.0       | 16        | 50        |
| 200 g         | 0,1       | 0,3       | 1.0       | 3.0       | 10        | 30        | 100       |
| 500 g         | 0,25      | 0,8       | 2.5       | 8.0       | 25        | 80        | 250       |
| 1 kg          | 0,5       | 1.6       | 5.0       | 16        | 50        | 160       | 500       |
| 2 kg          | 1.0       | 3.0       | 10        | 30        | 100       | 300       | 1000      |
| 5 kg          | 2.5       | 8.0       | 25        | 80        | 250       | 800       | 2500      |
| 10 kg         | 5.0       | 16        | 50        | 160       | 500       | 1600      | 5000      |
| 20 kg         | 10        | 30        | 100       | 300       | 1000      | 3000      | 10000     |
| 50 kg         | 25        | 80        | 250       | 800       | 2500      | 8000      | 25000     |
| 100 kg        |           | 160       | 500       | 1600      | 5000      | 16000     | 50000     |
| 200 kg        |           | 300       | 1000      | 3000      | 10000     | 30000     | 100000    |
| 500 kg        |           | 800       | 2500      | 8000      | 25000     | 80000     | 250000    |
| 1000 kg       |           | 1600      | 5000      | 16000     | 50000     | 160000    | 500000    |
| 2000 kg       |           |           | 10000     | 30000     | 100000    | 300000    | 1000000   |
| 5000 kg       |           |           | 25000     | 80000     | 250000    | 800000    | 2500000   |

# BAYKON Mass Laboratory

BAYKON Scale and Mass Calibration Laboratory is the first laboratory in Turkey which accredited by TÜRKAK, a member of European Co-operation for Accreditation (EA) according to ISO 17025.

Our mass laboratory covers from E2 class 1 mg to M2 class 1000 kg mass calibration which has the widest range in private laboratories in Turkey.

BAYKON is your competent partner for all questions related metrology.



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