



COMMERCIAL SCALES

All scales used for commercial purposes must meet strict standards for accuracy and customer visibility established in the Missouri Code of State Regulations. Appropriate and suitable scales must be approved by the Missouri Department of Agriculture's Division of Weights, Measures and Consumer Protection, and must bear a National Type Evaluation Program (NTEP) Certificate of Conformance before commercial use.

You may view the NTEP information guide on type evaluation at https://cdn.ncwm.com/userfiles/files/User_Tips_for_the_Online_NTEP_Database_-_v4.pdf



STEP 1: THINGS TO CONSIDER BEFORE PURCHASING

- Range of weighing (minimum and maximum capacities)
- Division (increment) size
- Precision (i.e. scales that comply with Accuracy Class I & II parameters)

STEP 2: PLACING INTO SERVICE

- A registered service company can be used to install and place the device into commercial service, pending inspection by a Weights, Measures and Consumer Protection official. You can find a list of registered service companies in Missouri by visiting Agriculture.Mo.Gov.
- Legal-for-trade scales must be "inspected, tested and sealed" by the division of Weights, Measures and Consumer Protection.
- Precision scales may need to be verified and recalibrated when moved to another location within a production facility or retail establishment.
- Contact the division of Weights, Measures and Consumer Protection at mda.dci@mda.mo.gov to request an inspection of a device that has not been placed into commercial service by a registered service company.

STEP 3: USING AND MAINTAINING

- The owner is responsible for ensuring accuracy and proper maintenance of a commercial scale, benefiting all parties involved.
- Scales must be installed and operated according to the manufacturer's instructions, as well as according to Missouri laws and regulations.
- Scales must be placed on a solid, level surface.
- Deduct "TARE" (packaging, wrappings, containers, etc.) to determine "NET" weight (NET = GROSS - TARE).

BEFORE USE

**COMPLY WITH
STANDARDS
ESTABLISHED IN
MISSOURI LAW.**

**RECEIVE TYPE
APPROVAL FROM
THE MISSOURI
DEPARTMENT OF
AGRICULTURE.**

**VERIFY NTEP
CERTIFICATE.**

**Weights, Measures &
Consumer Protection**

(573) 751-4316
mda.dci@mda.mo.gov

Agriculture.Mo.Gov

SCALES USED FOR MEDICAL MARIJUANA

HARVEST WEIGHTS, BULK PACKAGING, NET WEIGHT VERIFICATION AND WEIGHT VERIFICATION FOR TRACK AND TRACE REPORTING

Typical Class I and II Scale Capacities		Maximum Scale Division Size (Increments)*	
Metric Units (kg)	US Standard Units (lb)	Metric Units (g)	US Standard Units (lb)
0.5 kg (500 g)	1 lb	0.5 g	0.001 lb
5 kg	10 lb	5 g	0.01 lb
50 kg	100 lb	50 g	0.1 lb
50 kg +	100 lb +	500 g +	1.0 lb +

* Examples: Capacity = 100 kg, then the minimum division must be 0.001 kg, 0.002 kg, 0.005 kg or smaller
Capacity = 500 lb, then the minimum division must be 1 lb, 0.2 lb, 0.5 lb or smaller

RETAIL PACKAGING, NET WEIGHT VERIFICATION AND RETAIL SALES FROM BULK

Typical Weight Range	Maximum Scale Division Size (Increments)*
0-1 gram (g)	0.01 g
Between 1-10 g	0.01 g
Between 10-100 g	0.1 g
Between 100-1,000 g	1 g
Between 1/8 ounce (oz.) to 1/2 oz	0.0005 oz. (0.00002 lb) (0.01 g)*
Between 1/2+ oz. to 1 oz	0.0005 oz. (0.0002 lb) (0.1)*
Greater than 1 oz	0.05 oz. (0.002 lb) (1 g)*

* Conversions rounded to nearest legal division size.

ADDITIONAL RESOURCES

Missouri Weights, Measures and Consumer Protection Laws	https://revisor.mo.gov/main/OneChapter.aspx?chapter=413 https://s1.sos.mo.gov/cmsimages/adrules/csr/current/2csr/2c90-21.pdf
Buying Legal-for-Trade Scales	https://cdn.ncwm.com/userfiles/files/Resources/Consumer%20Information/Buying%20Scales%20Online.pdf
National Evaluation Program - Certificate Search Database	https://www.ncwm.com/ntep-certificates
Registered Service Companies in Missouri	https://agriculture.mo.gov/weights/device/scales-techreg.php

SALES BY WEIGHT

A business will need to weigh containers or packages from trimmings, product and dried flowers.

These containers and packages will require scales of different capacities and division sizes due to basic suitability requirements. This may include, but is not limited to, packages of buds, flowers, edibles, topical products and shatter.

Scale 1: For 1 lb. net weight packages, a grower may use:
1 kg. x 0.001 kg scale
(1000 g x 1 g)

Scale 2: For 1 gram net weight packages, a grower may use:
500 g x 0.01 g scale

SALES BY VOLUME

Cannabis products in liquid form are sold by volume, such as milliliters (ml) and fluid ounces (fl oz). This may include, but is not limited to, oils, tinctures and extracts.