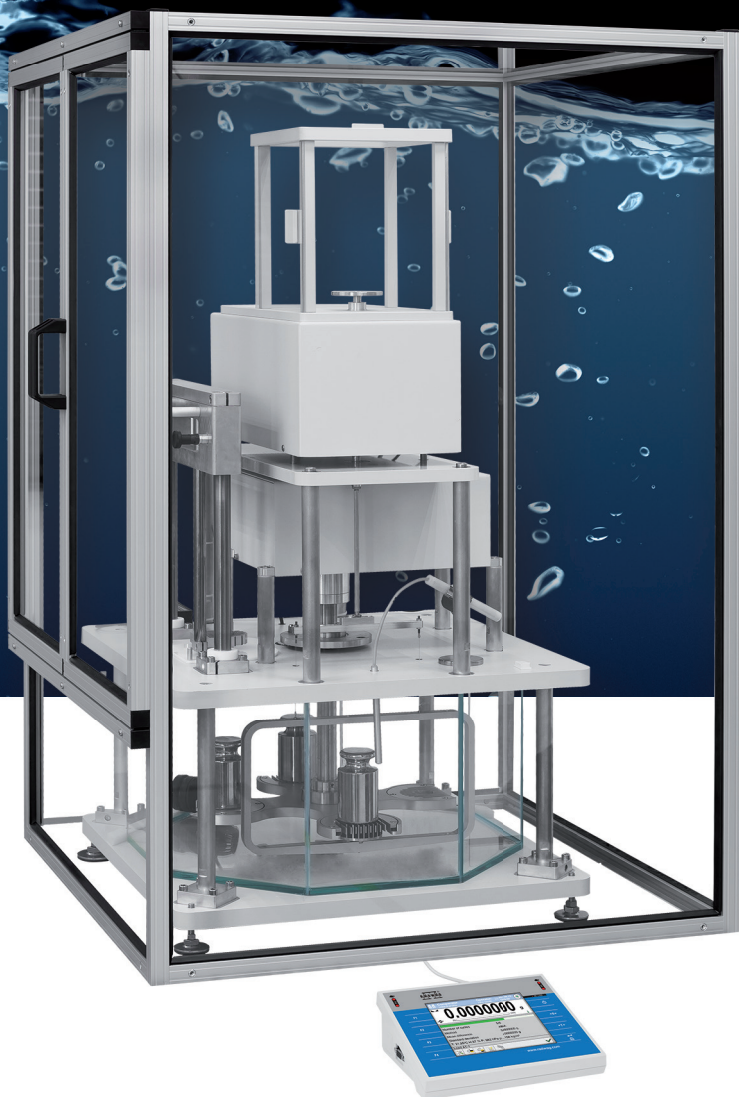


Testing 1 g – 1 kg mass standards of class E1
Maximum accuracy and stability of the measurement
Compliance with OIML R111



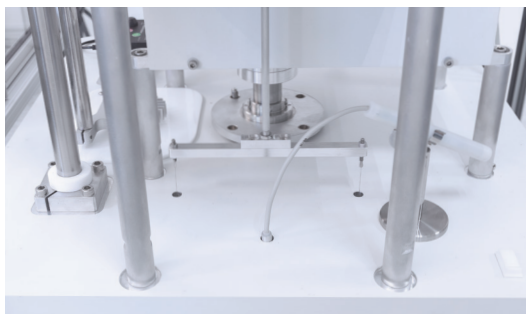
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AGV-4/1000 **Automatic Comparator**

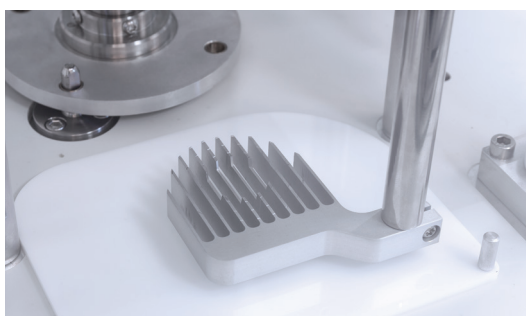
FOR DETERMINATION OF MASS STANDARD'S DENSITY AND VOLUME

AGV-4/1000

Determination of density and volume of mass standards of class E1, and lower, within the range of 1g to 1kg



The comparator is equipped with a top-class liquid temperature sensor of 0.001 °C accuracy.



The comparator features a specially-designed feeder to load and unload the magazine with weights.



The device is equipped with an additional circulator eliminating air bubbles which may occur while loading the magazine with a mass standard.



A weighing pan suspended on wires of 0.3 mm diameter significantly minimizes the eccentricity and the influence of liquid surface tension.

Compliance with OIML R111

OIML R111 determines the density of a material used to make a mass standard, and gives maximum permissible errors depending on mass standard class. The standard also provides density testing methods.

Weighing in Air and in Liquid

RADWAG-designed AGV-4/1000 automatic comparator uses the most accurate method of determining density of mass standard. First, the mass standard is weighed in air and then in liquid of known density. Due to the use of the highest quality liquid, an excellent thermal stability is obtained, and the influence of air bubbles on the measurement is reduced.

4-Position Magazine (Mass Standard + 3 Test Weights)

The AGV-4/1000 comparator enables to determine the density of three test weights while using only one reference weight. The density value is obtained with the highest accuracy simultaneously for all the test weights.



AGV-4/1000

E1	1 g – 1 kg
E2	1 g – 1 kg
F1	1 g – 1 kg
F2	1 g – 1 kg
Maximum capacity	1110 g
Readability	0.01 mg
Repeatability	0.05 mg
Electric compensation range	-10g / +110g
Stabilization time	30 s
Adjustment	External
Magazine positions	4 positions
Weighing pan dimensions	ø60 mm