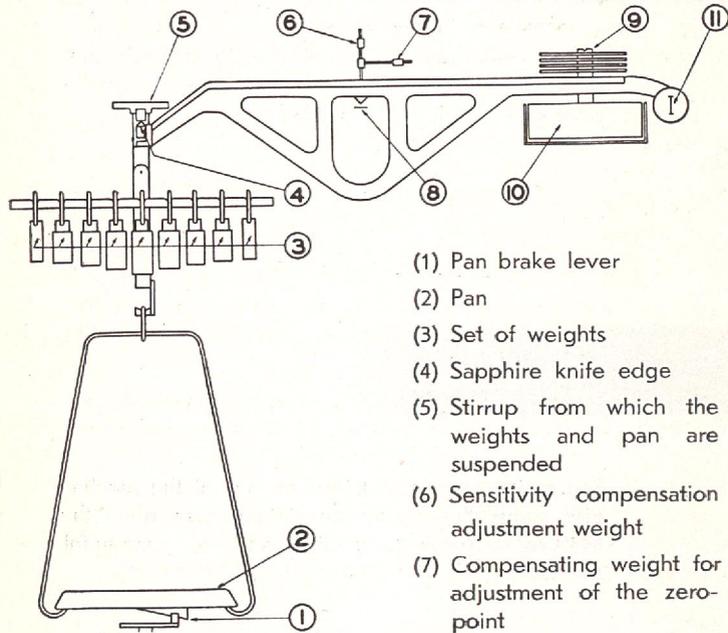


DIAGRAM



- (1) Pan brake lever
- (2) Pan
- (3) Set of weights
- (4) Sapphire knife edge
- (5) Stirrup from which the weights and pan are suspended
- (6) Sensitivity compensation adjustment weight
- (7) Compensating weight for adjustment of the zero-point
- (8) Center knife edge and plane of sapphire
- (9) Set of plates eliminating errors due to atmospheric changes
- (10) Compensating weight for pan and weights at opposite end of balance, and air damping plunger
- (11) Optical scale plate

Pan	Ø 100 mm (30 mm)
Base	270 × 500 mm
Height	450 mm
Voltage	220, 145, 125, 110 V ?
or to order	6 V = ~
Net weight	about 15 kgs
Weight packed for export	about 35 kgs

GRAM-ATIC: In U.S.A. and Canada, the Mettler Balances are known under the trade name „Gram-atic Balances“. They are distributed by the Fisher Scientific Company, Pittsburgh and Montreal and by Eimer & Amend, New York.

REFERENCES

CIBA Ltd., Basle

Working with the Mettler Balance is extremely simple and takes considerably less time than with other makes. Since the result is read in figures, mistakes are excluded. The size of the pan and the handling mechanism are particularly convenient, and facilitate work considerably. Another great advantage is the constant loading of the weighing beam. With the zero point properly adjusted, no greater differences than 0.0001 grams could be determined

POLITECHNICAL HIGH SCHOOL, Zurich

In January 1947 you supplied us with a Mettler Balance type 200 A 4 N. Since then, this balance is in one of the laboratories of the organic-analytic department, and is continually used by a group of 7 to 10 students. Whoever works with the Mettler Balance finds weighing convenient, time-saving and accurate.

The practical equipment of the balance offers numerous advantages. Thanks to its simple use, even an unskilled person can weigh accurately in a very short time. The balance has worked without the slightest trouble since we put it into service. No signs of corrosion or wear could be found anywhere.

N.V. Instrumenthandel
v/h Dr. D.H. Cocheret
Frombergstraat 1
ARNHEM

tel. 25414

ACCURATE

FAST

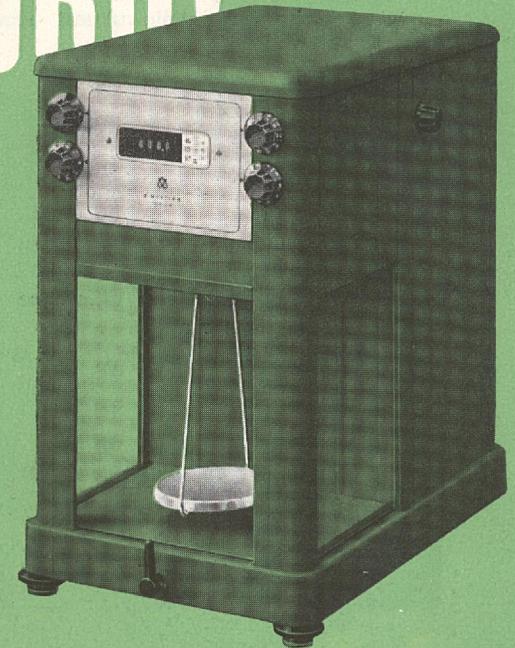
RELIABLE

SIMPLE

STURDY

Ben
from Goffing
Manufacture
Chit apparatus is
his met.
dezen
kanen
ingenieur
400
Chunder

ANALYTICAL BALANCES



E. METTLER ZURICH SWITZERLAND

PELIKANSTRASSE 19 - CABLES METTLERBALANCE

Thanks to extensive research, E. Mettler has developed an analytical balance which outclasses the old-time beam weighing balance. Scientists the world over now use the various types of Mettler Balances and highly value these fine instruments of precision.

ACCURATE

Their weights are fixed inside the balances and handled by remote control. They are made of anti-magnetic stainless steel which resists corrosion and wear and thus renders the weights unalterable.

Constant loading of the beam eliminates so-called bending errors and ensures uniform sensitivity up to the maximum loading.

The optical reading range of 115 milligrams is very large in comparison to other makes. The elimination of any weights of less than 100 milligrams help to attain utmost accuracy.

	Type E 5	
Maximum loading	200 grams	
Accuracy	$\pm 0,1$ mg	
Optical range	115 mg	
Accuracy of weighing by difference within the optical range	$\pm 0,05$ mg	
Mechanical weight-operating device up to	200 grams	



Weight = 123,7306 g

FAST

Weighing with Mettler Balances is 3 to 4 times faster than with any other modern balance.

Adjusting the zero-point and weighing is a mere matter of turning knobs, an operation requiring less than 30 seconds.

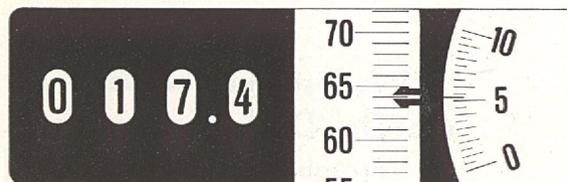
The Mettler Balances are brought to rest quickly, after only a few short oscillations, by an ingeniously designed air damper.

RELIABLE

Total weight is read directly from one indicator scale located in the front control panel. This excludes errors due to faulty handling or reading.

TECHNICAL DATA

	Type E 6	
Maximum loading	100 grams	
Accuracy	$\pm 0,1$ mg	
Optical range	115 mg	
Accuracy of weighing by difference within the optical range	$\pm 0,02$ mg	
Mechanical weight-operating device up to	100 grams	



Weight = 17,46452 g

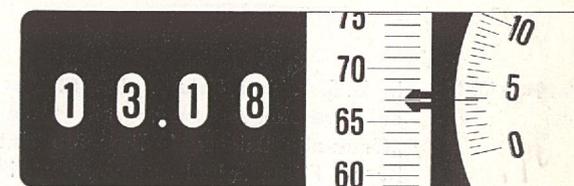
SIMPLE

Mettler Balances are so simple to operate that a single demonstration is sufficient to enable anyone to weigh correctly.

STURDY

The entire construction, the bearings of the mechanism, and the sturdy aluminium case give the Mettler Balances long life and a permanent precision.

	Type M 5 Micro:	
Maximum loading	20 grams	
Accuracy	$\pm 0,02$ mg	
Optical range	20 mg	
Accuracy of weighing by difference within the optical range	$\pm 0,002$ mg	
Mechanical weight-operating device up to	20 grams	



Weight = 13,186738 g