Mettler AT-20 Analytical Balance

Automatic proFACT 3-point self-calibration.

The AT balances let you forget about calibration once and for all. With every change in temperature, two motor-driven internal calibration weights automatically adjust the linearity of the balance with reference to three fixed points across the weighing range. The balance automatically self-calibrates (as needed).

Capacities up to 405g.

Models AT201 and AT261 include semimicro readability for fine weighings to five decimals. The DeltaRange models (AT261 and AT460) feature a fine resolution range which is ten times more precise- tare the balance anywhere throughout the weighing range and the fine range automatically returns. And, Model AT20 is a microbalance that weighs to six decimal places with a capacity of 22g.

Multiple weighing units

A simple one-step operation is all it takes to switch between weighing units. Among the units available: grams, milligrams, ounces, troy ounces, grains, pennyweights, mommes, or carats. And to protect menu settings from changes, simply activate built-in data security feature to lock in your desired settings.

Easy-to-read display

The AT200, AT400, and AT460 feature a high-visibility vacuum florescent display. The AT20, AT201, and AT261 have a high-contrast liquid crystal display. All models include the Mettler Toledo DeltaTrac display , which graphically shows where you are in the weighing range. And depending on the function, the DeltaTrac display will change to show other graphic symbols to assist in your weighings.

Adapters assure precise weighings every time

The vibration adapter and the weighing process adapter work together to assure you of the best possible weighing results in the shortest possible time. The vibration adapter lets you set the balance for ideal, normal or adverse conditions- nothing affects your results. The weighing process adapter controls the last digit of your display, suppressing it until the readout is stable. Select the adapter setting according to your weighing application: dispensing , universal setting, absolute weighing, or special applications. Choosing the

appropriate setting means you get results as quickly as possible. The icons at the left of the numeric display indicate the adapter settings.

Automatic stability detector
The menu-selectable function lets you slow down the stabilization rate for better reproducibility. Motion detection symbol on display disappears, indicating that the balance is stabilized and ready for weighing.

Motorized draft shield
The glass draft shield is completely automatic to make your weighing procedures more convenient. The draft shield can be opened at either side and at the top. You can program the balance to open all doors at once, or any combination that is convenient to you. You can also control the doors through the balance's built-in data interface. Or if you prefer, you can still operate the doors manually.

Built-in CL and RS-232-C interface
Each AT balance includes a built-in Mettler Toledo CL (20mA current loop) interface that lets you add adapters to link up with systems having an IEEE-488 interface. And the RS-232-C operates bidirectionally at all standard transfer rates from 150 to 9600 bps, for connection to computers, printers or other peripheral instruments.

Ergonomically constructed
Every feature on the AT balances has been designed to make your job easier. The weighing pan is built very low to the surface, so you can rest your hand on the table when dispensing the sample. Access to the weighing chamber has never been better thanks to the nominal framework needed for the draft shield.
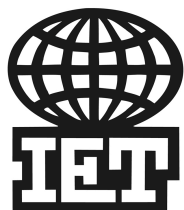
AT balances are supplied with:
AC adapter and holder, operating instructions (including the short-term style), and feedthrough for below-balance weighing.

Specifications and ordering Information:

Model AT20

Readability	2μg
Weighing Range	0 to 22g
Taring Range (By subtraction)	0 to 22g
Repeatability (At 0 to 20g)	4μg
Repeatability (At 0 to 50g)	---
Repeatability (At 50 to 200g)	---
Repeatability (At 50 to 400g)	---
Linearity	± 8μg
Stabilization Time (Normal Setting)	10-14 seconds
Calibration with External Weights	20 g

Sensitivity (temperature Drift (1,2)	± 1.5ppm/ °C
Sensitivity (Long-term Stability) (1,3)	± 0.00015%
Pan Size	1 ¼ dia. (3.2 cm)
Dimensions (L x W x H)	(43cm x 24cm x 29cm)
Net weight	20.5 lb. (9.3 kg)
Mettler Toledo number	AT20
Electrical	115/230V
Requirements (4)	50/60 Hz
Cat No.	01-910-3
Each	11,280.00