- Place weighing pan on balance; the conical peg centers the pan in the opening in the base of the weighing chamber.
- The two leveling screws should be adjusted so that the bubble is in the middle of the circle.

Whenever the location of the balance is changed, the balance should be releveled.

Operation

Short-form operating instructions

Short-form operating instructions can be found on a card that swings out from underneath the balance housing.

Switching the display on/off

- Briefly press the single control bar; all display segments light up for several seconds:

- Afterwards, the display automatically sets itself to zero.
- Lightly lift the control bar; the display is switched off.

Calibration

Make absolutely sure:
The balance must be left connected to the power supply for at least 60 minutes before "calibrating".

- Press and hold the single control bar until -CAL- appears in the display, then release control bar. The display changes to CAL----, then to CAL 100 (blinks).
- Move calibration lever all the way to the rear; the display changes to CAL----, followed by 100.000, then to CAL 0 (blinks).
- Move calibration lever all the way back towards the front of the balance; the display changes to ----, followed by zero.

Measuring cycle/measuring accuracy

By selecting a particular integration cycle, as well as a particular stability detection step, the balance can be configured according to your weighing location and needs.

Integration time:
Step 1: Used for very stable, vibration-free weighing table (short measuring cycle).
Step 2: Normal setting.
Step 3: Used for unfavorable ambient conditions (long measuring cycle).

- Press the control bar and hold it until -Int- appears in the display, then release the control bar.
- Immediately press the control bar briefly; the display will change to the next step.
- Stop at the step you wish to use and wait for the display to return to the weighing mode (zero).

Stability detector:
Step 1: Great sensitivity (long pause before data are released).
Step 2: Less sensitivity (short pause before data are released).
Normal setting.
off Step: The stability detector is switched off. Make sure that when this is the case, DeltaDisplay is also switched off (described in Paragraph entitled, "Weighing-in").

- Press the control bar and hold until -ASd- appears in the display, then release control bar.
- Immediately press control bar again briefly; the display changes to the next step.
- Stop at the step you wish to use and wait for the display returns to the weighing mode (zero).

Note: After selecting the integration time, you can go directly to the selection of the stability detector setting by holding the control bar down.

Taring

- Open the sliding glass door.
- Place a tare container on the weighing pan.
- Close the sliding glass door.
- Press the control bar briefly; the display changes to zero.

Note: It is possible to carry out external taring by using the handkey or foot pedal from the "accessories, optional" (connection sockets on rear of balance).

The weight of the container is now tared out. To weigh-in, the balance weighing range – minus the weight of the tare container – is now available.

- Place weighing pan on balance; the conical peg centers the pan in the opening in the base of the weighing chamber.
- The two leveling screws should be adjusted so that the bubble is in the middle of the circle.

Whenever the location of the balance is changed, the balance should be releveled.

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The weight of the container is now tared out. To weigh-in, the balance weighing range – minus the weight of the tare container – is now available.

display goes out.
The result is then stable.

Note: When the green dot lights up in the display, the data interface is blocked; when the green dot goes out (stability), the data interface is unblocked.

DeltaRange:

Your AE260 has a coarse range from 0...205 g; in this range, readability is 1 mg. The DeltaRange (fine range) turns your "milligram balance" into an "analytical balance". This means that the readability is increased to 0.1 mg in a range of 60 g (by pressing tare each time, it can be moved throughout the entire weighing range). Every time the fine range is exceeded, the last decimal goes out; you are then weighing in the coarse range.

Specifications

		AE 260 DeltaRange	
		60 g DeltaRange	200 g
Readability		0.1 mg	1 mg
Weighing range		0...60 g	0...205 g
Tare range (subtractive)		0...60 g	0...205 g
Reproducibility (standard deviation)		0.1 mg	0.5 mg
Linearity		±0.2 mg	±1 mg
Stabilization time (typically)		5 sec	
Integration time (adjustable)		1.5/3/6 sec	
Display sequence	– Mettler DeltaDisplay off	0.4 sec	
	– Mettler DeltaDisplay on	0.2/0.4 sec	
Stability detector – Sensitivity selectable in three steps		1/2/off	
Sensitivity drift (10...30°C)			
Calibration weight (built-in), adjusted to an apparent mass of 8.0 g/cm³ in an air density of 1200 mg/l		100 g, adjusted to ±0.1 mg	
Dimensions:	Weighing pan (stainless steel)	80 mm dia.	
	Open space above weighing pan	215 mm	
	Balance housing (W x D x H)	205 x 410 x 290 mm	
	Net weight	10.3 kg	
Power supply:	Voltage, adjustable	115 V/220 V	
	Admissible voltage range	92...132 V, 184...265 V	
	Frequency	50...60 Hz	
	Power consumption	10 VA	
Admissible ambient conditions during operation:			
Temperature		10...40°C	
Relative humidity (non-condensing)		25...85%	

What's wrong if...

What's wrong if...	then...
... the entire display does not light up?	– no power reaching the instrument. – the fuse is defective.
... the OFF display appears?	– a temporary power failure has taken place. (Press the control bar.)
... only the upper horizontal segments light up in the display?	– the weighing range has been exceeded. – the calibration weight has been activated. – there was weight on the pan when the instrument was switched on.
only the lower horizontal segments light up in the display?	– the weighing pan is not installed. – there was weight on the pan when the instrument was switched on.
the weighing result is unstable?	– there are too many drafts. – the weighing table is unstable. – the integration time setting is too low. – the object being weighed is not at room temperature.
the weighing result is obviously incorrect?	– the balance must be calibrated or has been calibrated using the wrong external weight.
only a portion of the display lights up?	– a temporary malfunction has occurred (pull out power cable and plug it back in).
the middle horizontal segments in the display are blinking (for more than 30 sec)?	– the weighing table or the load is too unsteady (close sliding glass doors, set a longer integration time and/or change the stability detection setting).
CAL Err appears in the display?	– the weighing pan was not unloaded before calibrating the balance, or the wrong external calibration weight was used (return to the weighing mode by pressing and holding the control bar).
no CAL appears in the display?	– a temporary malfunction has occured (recalibrate balance).
a zero display does not appear after pressing tare?	– the weighing table or the load is too unsteady (close sliding glass doors, set a longer integration time and/or change the stability detection setting).

Accessories

Optional equipment		Order No.
– Windshield ring, can be stacked: 1 unit		38594
– Tweezers, 210 mm long (with plastic tips)		70209
– Density (specific gravity) determination kit		33340
– Foot pedal		46278
– Handkey		42500
– Microfuses, 160 mA slow-blowing (set of 3)		55144
– Data interfaces:		
011 Option – CL/RS232C unidirectional		38750
012 Option – CL/RS232C bidirectional		38751
013 Option – IEEE488		38752
040 Data Output (unidirectional mode)		38795

Standard equipment		
– Power-line cable	neutral	87576
	Switzerland	87920
	Germany	87925
	USA	88668
– Weighing pan, 80 mm dia.		38590
– Centering disk (for windshield ring)		38609
– Hair-bristle brush		70114
– Windshield ring		38689

Subject to technical changes and to the availability of the accessories supplied with the instruments.