CALIBRATED PRECISION BALANCE

PCE-ABI 220



- **Calibrated according to class M I (analytical balance)**
- **Robust die-cast aluminum housing**
- **Spirit level for aligning the balance**
- **USB and RS-232 interface as standard**
- **Graphic display with plain text**
- **Selectable menu language DE / ESP / ENG / PL**
- **Adjustable filters**
- **Percent weighing**
- **Tare memory**
- **Facility to enter the user ID (also possible via scanner)**
- **Facility to enter the product ID (also possible via scanner)**

The precision balance PCE-ABI 220 is a calibratable scale that is already calibrated upon delivery. In calibrated form, this precision balance is used in areas that require verification, e.g. in the pharmacy.
Universities, colleges and many other laboratories appreciate the advantages of the internal automatic adjustment and use the PCE-ABI 220 precision balance in calibrated form. In the case of a calibrated precision balance, proof of accuracy is provided by a calibration certificate. In contrast to a verification certificate, a calibration certificate shows the actual setpoint / actual value comparison and is therefore more meaningful than a verification certificate.
The precision balance has a die-cast aluminum housing and a glass draft shield that can be opened through three sliding doors. The weighing area is designed with a stainless steel plate which can be easily removed for cleaning. The weighing plate of the precision balance has a support surface of Ø90 mm.
The precision balance uses a graphic display which enables the menu and function guidance in various national languages.
Useful functions of the precision balance are e.g. percentage weighing, tare memory, input of user ID and product ID, MIN-MAX-OK weighing, summing function, statistics function, area weight function, recipe function, animal weighing function, piece counting, etc. These precision scales ensure quick and easy operation, even of more complicated functions.

Specification

Weighing range	
Measuring range from	0,002 g
Measurement range up to [Max]	220 g
Resolution [d]	0,1 mG
Accuracy	±0.0004 g
Verification value [e]	1 mG

General technical data	
Measuring functions	MIN, MAX, HOLD, peak
Measuring functions (additional information)	Percentage weighing, statistics function, basis weight function, recipe function, animal weighing function, piece counting
Measuring principle	Force compensation cell
Display type	LCD graphic display with backlight
Interface	RS232, USB-B
Housing	Die-cast aluminium
Minimum load [min]	0,002 g
Dimensions	Cradle space: 175 x 140 x 230 mm
Verification class [e]	M I
Settling time	< 5 s
Menu language	English, German, English (GB), Spanish, Polish
Protection class (device)	IP40
Power supply	230V | 50 Hz 6 VA / = 12V 1.2 A / outdoor - & indoor +
Connector type	Device-europlug
(Rechargeable) battery	1 x 3 V Button cell , lithium
Capacity	220 mAh
Operating conditions	18 ... 35 °C , 40 ... 80 % RH
Storage conditions	-10 ... 50 °C , 40 ... 80 % RH
Dimensions (L x W x H x ø)	235 x 345 x 350 x 90 mm