# ANALYTICAL BALANCE

## PCE-ABI 220



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

The precision scale is a verifiable scale that is already calibrated upon delivery . In its calibrated form, this precision scale is used in applications requiring legal metrology, such as pharmacies.

Universities, colleges, and many other laboratories appreciate the benefits of the internal automatic adjustment and use the calibrated precision balance. With a calibrated precision balance, proof of accuracy is provided by a calibration certificate. Unlike a calibration certificate, a calibration certificate reflects the actual target/actual value comparison and is therefore more meaningful than a calibration certificate.

Optionally, we offer this precision scale not in a calibrated form but in a calibrated form as.

The precision balance features a die-cast aluminum housing and a glass draft shield that can be opened through three sliding doors. The weighing chamber is lined with a stainless steel plate that can be easily removed for cleaning. The weighing plate of the precision balance offers a support surface of 90 mm in diameter.

The precision scale uses a graphic display which enables menu and function guidance in different national languages.

Useful functions of the precision scale include percentage weighing, tare memory, user ID and product ID input, MIN-MAX-

## Specification

| Weighing range | |
|---|---|
| Measuring range from | 0,002 g |
| Measuring range max. | 220 g |
| Resolution | 0,1 mG |
| Accuracy | ±0.0004 g |
| Calibration value [e] | 1 mG |

OK weighing, summation function, statistics function, basis weight function, recipe function, animal weighing function, piece counting, etc.

| General technical data | |
|---|---|
| Measuring functions | MIN, MAX, HOLD, peak |
| Measuring functions (additional information) | Percent weighing, percentage weighing, statistics function, weight per unit area function, recipe function, animal weighing function, piece counting |
| Measuring principle | Force compensation cell |
| Display Typ | LCD graphic display with illumination |
| Interface | RS232, USB-B |
| Housing | Die-cast aluminum |
| Minimum load [min] | 0,002 g |
| Dimensions | Cradle space: 175 x 140 x 230 mm |
| Calibration class [e] | M I |
| Settling time | < 5 s |
| Menu language | English (US), 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 |
| Battery/battery | 1 x 3 V Button cell , lithium |
| Battery 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 |