

# KERN PBJ 620-3M

**KERN**

Multifunctional laboratory balance with single-cell weighing system, verification optional



## Category

|                  |                    |
|------------------|--------------------|
| Brand            | KERN               |
| Product category | Laboratory balance |
| Product group    | Precision balance  |
| Product family   | PBJ                |

## Measuring System

|                                                       |                                  |
|-------------------------------------------------------|----------------------------------|
| Construction type of the scale                        | Single-range balance             |
| Weighing system                                       | Single-Cell                      |
| Weighing capacity [Max]                               | 620 g                            |
| Weighing capacity [Max] (ct)                          | 3100 ct                          |
| Readability [d]                                       | 0,001 g                          |
| Readability carat [d] (ct)                            | 0,01 ct                          |
| Reproducibility                                       | 0,001 g                          |
| Linearity                                             | ± 0,002 g                        |
| USP Minimum weight of sample (k = 2, U = 0.1%)        | 2 g                              |
| Minimum weight [Min]                                  | 0,1 g                            |
| Minimum weight [Min] (ct)                             | 0,2 ct                           |
| Resolution                                            | 620.000                          |
| Adjustment options                                    | Internal calibration (automatic) |
| Recommended adjusting weight                          | 200 g (F1)                       |
| Possible calibration points                           | 200 g                            |
| Automatic adjustment - Standard temperature deviation | 1 °C                             |
| Automatic adjustment - Standard time interval         | 4 h                              |
| Stabilization time                                    | 2,5 s                            |
| Warm-up time                                          | 4 h                              |
| Eccentric loading at 1/3 [Max]                        | 0,005 g                          |
| Default unit                                          | g                                |

|       |    |
|-------|----|
| Units | kg |
|       | g  |
|       | ct |

|                                          |    |
|------------------------------------------|----|
| Units (if device is conformity assessed) | kg |
|                                          | g  |
|                                          | ct |

|                                |   |
|--------------------------------|---|
| Conformity assessment possible | ✓ |
|--------------------------------|---|

## Display

|                      |       |
|----------------------|-------|
| Display type         | LCD   |
| Display backlight    | ✓     |
| Display digit height | 14 mm |

## Construction

|                                                       |                 |
|-------------------------------------------------------|-----------------|
| Dimension housing (W×D×H)                             | 210×330×70 mm   |
| Dimensions rectangular draught shield - inner (W×D×H) | 180×193×87 mm   |
| Dimensions rectangular draught shield - outer (W×D×H) | 202×228×103 mm  |
| Dimensions weighing surface (W×D)                     | 112×112 mm      |
| Dimensions weighing surface                           | 112×112 mm      |
| Dimensions weighing platform (W×D×H)                  | 108×105×5 mm    |
| Material housing                                      | cast aluminium  |
| Material weighing plate                               | stainless steel |
| Material draught shield                               | plastic         |
| Material display housing                              | Plastics        |
| Level indicator                                       | ✓               |
| Levelling feet adjustable                             | ✓               |

## Functions

|                                                           |                             |
|-----------------------------------------------------------|-----------------------------|
| PreTare function                                          | ✓                           |
| Recipe/summing level                                      | Rez A (Net total)           |
| Percentage determination                                  | ✓                           |
| Dispensing function                                       | ✓                           |
| Density determination                                     | ✓                           |
| Tolerance weighing                                        | ✓                           |
| Tolerance weighing - type of signal                       | visual                      |
| Underfloor weighing                                       | Hook (included in delivery) |
| Function for averaging under unstable weighing conditions | ✓                           |
| Time display                                              | ✓                           |
| Capacity - Display                                        | ✓                           |
| Standby function                                          | ✓                           |
| Counting function                                         | ✓                           |
| Counting resolution (laboratory conditions)               | 620.000                     |

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|                                                                   |                                           |
|-------------------------------------------------------------------|-------------------------------------------|
| Smallest piece weight when piece counting - laboratory conditions | 1 mg                                      |
| Smallest piece weight when piece counting - normal conditions     | 10 mg                                     |
| Reference quantity                                                | 10, 25, 50, 100, n (any number of pieces) |
| Peak function                                                     | ✓                                         |
| Tare function                                                     | manual (multi)                            |
| Number of keys for operation                                      | 6                                         |

## Interface

|            |                 |
|------------|-----------------|
| Interfaces | RS-232 standard |
|------------|-----------------|

## Power Supply

|                                                                           |                               |
|---------------------------------------------------------------------------|-------------------------------|
| Supplied power supply                                                     | Power supply unit             |
| Plug-in power supply type                                                 | Power adapter                 |
| Plug-in power supply / adapter for countries - included with the delivery | EURO<br>UK<br>US<br>CH        |
| Plug-in power supply / adapter for countries - optional                   | EURO<br>AUS<br>UK<br>US<br>CH |
| Input voltage power supply / power [Max]                                  | 100 V - 240 V AC, 50 / 60 Hz  |
| Input voltage device / power [Max]                                        | 12 V DC, 1000 mA              |

## Environmental conditions

|                               |        |
|-------------------------------|--------|
| Ambient temperature [Min]     | 10 °C  |
| Ambient temperature [Max]     | 30 °C  |
| Humidity of environment [Max] | 80 %   |
| Storage temperature [Min]     | -10 °C |
| Storage temperature [Max]     | 50 °C  |

## Approval

|                                         |        |
|-----------------------------------------|--------|
| CE mark                                 | ✓      |
| Conformity assessment possible ex works | ✓      |
| Accuracy classe                         | I      |
| Verification scale interval [e]         | 0,01 g |
| Verification scale interval [e] (ct)    | 0,1 ct |

## Services (optional)

|                                          |         |
|------------------------------------------|---------|
| Article number for conformity assessment | 965-201 |
| Article number for DAkkS calibration     | 963-103 |

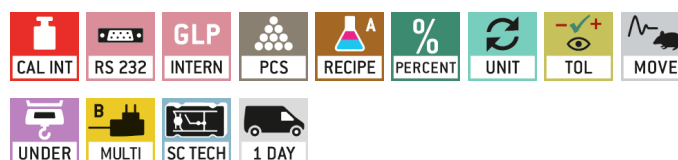
|                                              |         |
|----------------------------------------------|---------|
| Article number for certificate of conformity | 969-517 |
|----------------------------------------------|---------|

## Packing & Shipping

|                              |                |
|------------------------------|----------------|
| Delivery time                | 1 d            |
| Dimensions packaging (W×D×H) | 370×580×255 mm |
| Shipping method              | Parcel service |
| Net weight approx.           | 4,2 kg         |
| Gross weight approx.         | 6 kg           |
| Shipping weight              | 10,9 kg        |

## Pictograms

### STANDARD



### OPTION



### FACTORY

