

# KERN EWJ 300-3H

High-quality precision balance with automatic internal adjustment

# KERN



| Category         |                    |
|------------------|--------------------|
| Brand            | KERN               |
| Product category | Laboratory balance |
| Product group    | Precision balance  |
| Product family   | EWJ                |

| Measuring System                               |                                  |
|--|----------------------------------|
| Construction type of the scale                 | Single-range balance             |
| Weighing system                                | Strain gauge                     |
| Weighing capacity [Max]                        | 300 g                            |
| Readability [d]                                | 0,001 g                          |
| Reproducibility                                | 0,003 g                          |
| Linearity                                      | ± 0,005 g                        |
| USP Minimum weight of sample (k = 2, U = 0.1%) | 6 g                              |
| Resolution                                     | 300.000                          |
| Adjustment options                             | Internal calibration (automatic) |
| Recommended adjusting weight                   | 300 g (F1)                       |
| Possible calibration points                    | 100 g; 200 g; 300 g              |
| Automatic adjustment - Standard time interval  | 2 h                              |
| Stabilization time                             | 2 s                              |
| Warm-up time                                   | 120 min                          |
| Eccentric loading at 1/3 [Max]                 | 0,004 g                          |
| Maximum creep (15 minutes)                     | 10 mg                            |
| Maximum creep (30 minutes)                     | 20 mg                            |
| Default unit                                   | g                                |
| Units  | kg                               |
|  | g                                |
|  | t                                |
|  | gn                               |
|  | dwt                              |

|               |                                |
|---------------|--------------------------------|
|               | tl (Tw)                        |
|               | tl (HK)                        |
|               | ozt                            |
|               | tl (Singap, Malays)            |
|               | ct                             |
|               | mo                             |
|               | lb                             |
|               | oz                             |
|               | ffa                            |
|               | tol                            |
|               | m                              |
| Loadcell type | aluminium IP65 silicone-coated |

| Display                         |                            |
|---------------------------------|----------------------------|
| Display type                    | LCD                        |
| Display backlight               | ✓                          |
| Display screen size             | 129 x 27                   |
| Display digit height            | 21 mm                      |
| Languages of the user interface | English<br>Symbol language |

| Construction  |                 |
|---|-----------------|
| Dimension housing (W×D×H)                             | 220×340×321 mm  |
| Dimensions completely mounted (W×D×H)                 | 220×340×321 mm  |
| Dimensions rectangular draught shield - inner (W×D×H) | 155×175×217 mm  |
| Dimensions rectangular draught shield - outer (W×D×H) | 180×191×230 mm  |
| Dimensions weighing surface (Ø)                       | 80 mm           |
| Dimensions weighing surface                           | 80 mm           |
| Material housing                                      | plastic         |
| Material weighing plate                               | stainless steel |
| Material platform                                     | Stainless steel |
| Material draught shield                               | plastic, glass  |
| Material load cell(s)                                 | aluminium       |
| Level indicator                                       | ✓               |
| Levelling feet adjustable                             | ✓               |
| Transport safety lock - bolt torque                   | 0,1 Nm          |

| Functions   |                        |
|---|------------------------|
| PreTare function  | ✓                      |
| Recipe/summing level                                      | Rez A (Net total)      |
| Percentage determination                                  | ✓                      |
| Tolerance weighing  | ✓                      |
| Tolerance weighing - type of signal                       | acoustically<br>visual |
| Function for averaging under unstable weighing conditions | ✓                      |

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|   |                            |
|---|----------------------------|
| Capacity - Display  | ✓                          |
| Counting function   | ✓                          |
| Counting resolution (laboratory conditions)                       | 150.000                    |
| Counting reference weight can be entered                          | ✓                          |
| Smallest piece weight when piece counting - laboratory conditions | 2 mg                       |
| Smallest piece weight when piece counting - normal conditions     | 20 mg                      |
| Reference quantity  | 5, 10, 20, 50, free, Input |
| Hold function   | ✓                          |
| IP protection - display   | no IP protection           |
| IP protection - load cell   | IP65                       |
| Auto-off interval(s) in battery mode/rechargeable battery mode    | 5 min                      |
|   | 2 min                      |
|   | 1 min                      |
|   | 30 min                     |
|   | 60 min                     |
|   | 30 sec                     |
| Tare function   | manual (multi)             |
| Number of keys for operation                                      | 7                          |

## Interface

|            |   |
|------------|---|
| Interfaces | RS-232 standard<br>Bluetooth BTC (v2.0)<br>(optional, factory)<br>Bluetooth BLE (v4.0)<br>(optional, factory)<br>USB-Device |
|------------|---|

## 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    |
| Input voltage power supply / power [Max]                                  | 100 V - 240 V, 50 / 60 Hz |
| Input voltage device / power [Max]  | 12 V, 500 mA              |
| Battery / accumulator type  | Li-Ion                    |
| Battery connection  | 2-pole tub connector      |
| Rechargeable battery operating time - backlight on                        | 32 h                      |
| Rechargeable battery operating time - backlight off                       | 57 h                      |
| Rechargeable battery charging time  | 6,5 h                     |

|                               |                                  |
|-------------------------------|----------------------------------|
| Rechargeable battery optional | Rchrg. battery optional - intern |
|-------------------------------|----------------------------------|

## Environmental conditions

|                               |        |
|-------------------------------|--------|
| Ambient temperature [Min]     | 10 °C  |
| Ambient temperature [Max]     | 35 °C  |
| Humidity of environment [Max] | 80 %   |
| Storage temperature [Min]     | -20 °C |
| Storage temperature [Max]     | 60 °C  |

## Approval

|         |   |
|---------|---|
| CE mark | ✓ |
|---------|---|

## Services (optional)

|  |         |
|--|---------|
| Article number for DAkkS calibration         | 963-127 |
| Article number for certificate of conformity | 969-517 |

## Packing & Shipping

|                              |                |
|------------------------------|----------------|
| Delivery time                | 1 d            |
| Dimensions packaging (W×D×H) | 400×275×410 mm |
| Shipping method              | Parcel service |
| Net weight approx.           | 3,6 kg         |
| Gross weight approx.         | 6 kg           |
| Shipping weight              | 9 kg           |

## Pictograms

### STANDARD



### OPTION



### FACTORY

