

# 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                                | 0,002 g                          |
| Linearity                                      | ± 0,005 g                        |
| USP Minimum weight of sample (k = 2, U = 0.1%) | 4 g                              |
| Resolution                                     | 300.000                          |
| Adjustment options                             | Internal calibration (automatic) |
| Recommended adjusting weight                   | 300 g (F1)                       |
| Automatic adjustment - Standard time interval  | 2 h                              |
| Stabilization time                             | 3 s                              |
| Warm-up time                                   | 120 min                          |
| Eccentric loading at 1/3 [Max]                 | 0,005 g                          |
| Maximum creep (15 minutes)                     | 10 mg                            |
| Maximum creep (30 minutes)                     | 20 mg                            |
| Default unit                                   | g                                |

|       |         |
|-------|---------|
| Units | g       |
|       | t       |
|       | gn      |
|       | dwt     |
|       | tl (Tw) |
|       | tl (HK) |

ozt  
ct  
lb  
N  
oz  
tl (Cn)  
D  
mom  
bt

|               |                                |
|---------------|--------------------------------|
| Loadcell type | aluminium IP65 silicone-coated |
|---------------|--------------------------------|

## Display

|                                 |           |
|---------------------------------|-----------|
| Display type                    | LCD       |
| Display backlight               | LED white |
| Display digit height            | 16,5 mm   |
| Languages of the user interface | English   |

## 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 draught shield                               | plastic, glass  |
| Material load cell(s)                                 | aluminium       |
| Level indicator                                       | ✓               |
| Levelling feet adjustable                             | ✓               |
| Transport safety lock - bolt torque                   | 0,1 Nm          |

## Functions

|                                                                   |                      |
|-------------------------------------------------------------------|----------------------|
| Recipe/summing level                                              | Rez A (Net total)    |
| Percentage determination                                          | ✓                    |
| Capacity - Display                                                | ✓                    |
| Counting function                                                 | ✓                    |
| Counting resolution (laboratory conditions)                       | 150.000              |
| Smallest piece weight when piece counting - laboratory conditions | 2 mg                 |
| Smallest piece weight when piece counting - normal conditions     | 20 mg                |
| Reference quantity                                                | 10, 20, 50, 100, 200 |
| IP protection - display                                           | no IP protection     |

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|                              |                |
|------------------------------|----------------|
| IP protection - load cell    | IP65           |
| Tare function                | manual (multi) |
| Number of keys for operation | 7              |

## Interface

|                                  |                               |
|----------------------------------|-------------------------------|
| Interfaces                       | RS-232 standard<br>USB-Device |
| EasyTouch (ET) - Connection type | RS232 / USB                   |

## 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, 50 / 60 Hz |
|------------------------------------------|---------------------------|

|                                    |                  |
|------------------------------------|------------------|
| Input voltage device / power [Max] | 12 V DC, 2500 mA |
|------------------------------------|------------------|

|                            |    |
|----------------------------|----|
| Battery / accumulator type | Pb |
|----------------------------|----|

|                    |                   |
|--------------------|-------------------|
| Battery connection | Plug-in terminals |
|--------------------|-------------------|

|                      |         |
|----------------------|---------|
| Rechargeable battery | PFB-A06 |
|----------------------|---------|

|                                                    |      |
|----------------------------------------------------|------|
| Rechargeable battery operating time - backlight on | 10 h |
|----------------------------------------------------|------|

|                                                     |      |
|-----------------------------------------------------|------|
| Rechargeable battery operating time - backlight off | 20 h |
|-----------------------------------------------------|------|

|                                    |      |
|------------------------------------|------|
| Rechargeable battery charging time | 12 h |
|------------------------------------|------|

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

## Environmental conditions

|                           |       |
|---------------------------|-------|
| Ambient temperature [Min] | 15 °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 (verification) | 969-517 |
|-------------------------------------------------------------|---------|

## Packing & Shipping

|                              |                |
|------------------------------|----------------|
| Delivery time                | 1 d            |
| Dimensions packaging (W×D×H) | 400×275×410 mm |
| Net weight                   | 3,572 kg       |
| Shipping method              | Parcel service |
| Net weight approx.           | 3,6 kg         |
| Gross weight approx.         | 6 kg           |
| Shipping weight              | 9 kg           |

## Pictograms

### STANDARD



### OPTION



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