

# KERN 572-32

**KERN**

All-rounder, e.g. as precision balance in the laboratory or in harsh industrial applications, ideal for the diverse possibilities of Industry 4.0 applications



## Category

|                  |                    |
|------------------|--------------------|
| Brand            | KERN               |
| Product category | Laboratory balance |
| Product group    | Precision balance  |
| Product family   | 572                |

## Measuring System

|                                                |                                                                                      |
|------------------------------------------------|--------------------------------------------------------------------------------------|
| Weighing system                                | Strain gauge                                                                         |
| Weighing capacity [Max]                        | 420 g                                                                                |
| Readability [d]                                | 0,001 g                                                                              |
| Reproducibility                                | 0,002 g                                                                              |
| Linearity                                      | ± 0,005 g                                                                            |
| Resolution                                     | 420.000                                                                              |
| Adjustment options                             | Adjusting with external weight                                                       |
| Recommended adjusting weight                   | 200 g (E2); 200 g (E2)                                                               |
| Possible calibration points                    | 100 g; 200 g; 300 g; 400 g                                                           |
| Stabilization time                             | 3 s                                                                                  |
| Warm-up time                                   | 4 h                                                                                  |
| Eccentric loading at 1/3 [Max]                 | 0,005 g                                                                              |
| USP Minimum weight of sample (k = 2, U = 0.1%) | 4 g                                                                                  |
| Construction type of the scale                 | Single-range balance                                                                 |
| Units                                          | g<br>gn<br>dwt<br>tl (Tw)<br>tl (HK)<br>ozt<br>tl (Singap, Malays)<br>ct<br>mo<br>lb |

|                            |           |
|----------------------------|-----------|
|                            | oz<br>ffa |
| Maximum creep (15 minutes) | 10 mg     |
| Maximum creep (30 minutes) | 20 mg     |
| Default unit               | g         |

## Display

|                                 |                            |
|---------------------------------|----------------------------|
| Display type                    | LCD                        |
| Display type                    | 7 segment LED              |
| Display backlight               | ✓                          |
| Display screen size             | 89×30 mm                   |
| Display segments                | 7                          |
| Display digit height            | 21 mm                      |
| Languages of the user interface | English<br>Symbol language |

## Construction

|                                                     |                  |
|-----------------------------------------------------|------------------|
| Dimension housing (W×D×H)                           | 180×310×85 mm    |
| Dimensions completely mounted (W×D×H)               | 180×310×130 mm   |
| Dimensions ring-shaped draught shield - inner (Ø×H) | 157×43 mm        |
| Dimensions ring-shaped draught shield - outer (Ø×H) | 160×0 mm         |
| Dimensions weighing surface (Ø)                     | 106 mm           |
| Dimensions weighing surface                         | 106 mm           |
| Material housing                                    | cast aluminium   |
| Material weighing plate                             | stainless steel  |
| Material platform                                   | stainless steel  |
| Material draught shield                             | metal, lacquered |
| Level indicator                                     | ✓                |
| Levelling feet adjustable                           | ✓                |

## Functions

|                                                           |                            |
|-----------------------------------------------------------|----------------------------|
| PreTare function                                          | ✓                          |
| Sum memory function                                       | ✓                          |
| Percentage determination                                  | ✓                          |
| Tolerance weighing                                        | ✓                          |
| Tolerance weighing - type of signal                       | acoustically<br>visual     |
| Underfloor weighing                                       | Eye (included in delivery) |
| Function for averaging under unstable weighing conditions | ✓                          |
| Counting function                                         | ✓                          |
| Counting resolution (laboratory conditions)               | 420.000                    |
| Counting reference weight can be entered                  | ✓                          |

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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                                                | 5, 10, 20, 50, free, Input |
| Hold function                                                     | ✓                          |
| Auto-off interval(s) in battery mode/rechargeable battery mode    | 5 min                      |
|                                                                   | 2 min                      |
|                                                                   | 1 min                      |
|                                                                   | 30 min                     |
|                                                                   | 60 min                     |
|                                                                   | 30 sec                     |
| Auto-off interval(s) in mains power mode                          | off                        |
| Tare function                                                     | manual (multi)             |
| Number of keys for operation                                      | 5                          |

## Interface

|                           |                                                                                                                     |
|---------------------------|---------------------------------------------------------------------------------------------------------------------|
| Interfaces                | RS-232 (optional)<br>Bluetooth (optional)<br>Ethernet (optional)<br>USB-Device (optional)<br>KUP<br>WiFi (optional) |
| compatible with EasyTouch | ✓                                                                                                                   |

## Power Supply

|                                                                           |                                                                         |
|---------------------------------------------------------------------------|-------------------------------------------------------------------------|
| Supplied power supply                                                     | Power supply unit                                                       |
| Power supply type                                                         | Power adapter                                                           |
| Plug-in power supply / adapter for countries - included with the delivery | EURO                                                                    |
|                                                                           | UK                                                                      |
|                                                                           | US                                                                      |
|                                                                           | CH                                                                      |
| Plug-in power supply / adapter for countries - optional                   | EURO                                                                    |
|                                                                           | UK                                                                      |
|                                                                           | US                                                                      |
|                                                                           | CH                                                                      |
| Input voltage power supply / power [Max]                                  | 100 V - 240 V AC, 50 / 60 Hz                                            |
| Power supply cable removable                                              | removable                                                               |
| Input voltage device / power [Max]                                        | 5,9V, 1A                                                                |
| Power socket for mains adapter                                            | Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 13 mm |
| Battery / accumulator type                                                | Li-Ion                                                                  |
| Rechargeable battery operating time - backlight on                        | 24 h                                                                    |
| Rechargeable battery operating time - backlight off                       | 48 h                                                                    |

|                                    |                                   |
|------------------------------------|-----------------------------------|
| Rechargeable battery charging time | 8 h                               |
| Rechargeable battery optional      | Rchrg. battery optional (factory) |

## Environmental conditions

|                               |        |
|-------------------------------|--------|
| Ambient temperature [Min]     | -10 °C |
| Ambient temperature [Max]     | 40 °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) | 400×340×220 mm |
| Shipping method              | Parcel service |
| Net weight approx.           | 2,4 kg         |
| Gross weight approx.         | 3,8 kg         |
| Shipping weight              | 6 kg           |

## Product information

|                      |                          |
|----------------------|--------------------------|
| GTIN/EAN number      | 4045761356849            |
| REACH classification | no prohibited substances |

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## Pictograms

### STANDARD



### OPTION



### FACTORY

