

# KERN 572-43

**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



ct  
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ffa

| 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) | 180×310×90 mm   |
| Dimensions weighing surface (W×D)     | 160×200 mm      |
| Dimensions weighing surface           | 160×200 mm      |
| Material housing                      | cast aluminium  |
| Material weighing plate               | stainless steel |
| Material platform                     | Stainless steel |
| Level indicator                       | ✓               |
| Levelling feet adjustable             | ✓               |

| Functions                                                         |                            |
|-------------------------------------------------------------------|----------------------------|
| PreTare function                                                  | ✓                          |
| Recipe/summing level                                              | Rez A (Net total)          |
| Percentage determination                                          | ✓                          |
| Tolerance weighing                                                | ✓                          |
| Tolerance weighing - type of signal                               | acoustically<br>visual     |
| Underfloor weighing                                               | Hook (optional)            |
| Function for averaging under unstable weighing conditions         | ✓                          |
| Counting function                                                 | ✓                          |
| Counting resolution (laboratory conditions)                       | 100.000                    |
| Counting reference weight can be entered                          | ✓                          |
| Smallest piece weight when piece counting - laboratory conditions | 100 mg                     |
| Smallest piece weight when piece counting - normal conditions     | 1 g                        |
| Reference quantity                                                | 5, 10, 20, 50, free, Input |

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

| Measuring System                               |                                |
|------------------------------------------------|--------------------------------|
| Construction type of the scale                 | Single-range balance           |
| Weighing system                                | Strain gauge                   |
| Weighing capacity [Max]                        | 10 kg                          |
| Readability [d]                                | 0,0001 kg                      |
| Reproducibility                                | 0,0001 kg                      |
| Linearity                                      | ± 0,0003 kg                    |
| USP Minimum weight of sample (k = 2, U = 0.1%) | 200 g                          |
| Resolution                                     | 100.000                        |
| Adjustment options                             | Adjusting with external weight |
| Recommended adjusting weight                   | 10 kg (F1)                     |
| Possible calibration points                    | 2 kg; 5 kg; 10 kg              |
| Stabilization time                             | 3 s                            |
| Warm-up time                                   | 120 min                        |
| Eccentric loading at 1/3 [Max]                 | 0,0003 kg                      |
| Maximum creep (15 minutes)                     | 1 g                            |
| Maximum creep (30 minutes)                     | 2 g                            |
| Default unit                                   | kg                             |

|       |                     |
|-------|---------------------|
| Units | kg                  |
|       | g                   |
|       | dwt                 |
|       | tl (Tw)             |
|       | tl (HK)             |
|       | ozt                 |
|       | tl (Singap, Malays) |

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|                                                                |                |
|----------------------------------------------------------------|----------------|
|                                                                | 5 min          |
|                                                                | 2 min          |
| Auto-off interval(s) in battery mode/rechargeable battery mode | 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) |
| EasyTouch (ET) - Compatibility | vollständig                                                                                                         |

## 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>UK<br>US<br>CH            |
| Input voltage power supply / power [Max]                                  | 100 V - 240 V AC, 50 / 60 Hz      |
| Input voltage device / power [Max]                                        | 5,9V, 1A                          |
| 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)

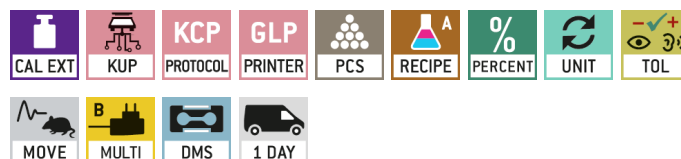
|                                              |         |
|----------------------------------------------|---------|
| Article number for DAkkS calibration         | 963-128 |
| Article number for certificate of conformity | 969-517 |

## Packing & Shipping

|                              |                |
|------------------------------|----------------|
| Delivery time                | 1 d            |
| Dimensions packaging (W×D×H) | 400×340×220 mm |
| Shipping method              | Parcel service |
| Net weight approx.           | 2,8 kg         |
| Gross weight approx.         | 4,4 kg         |
| Shipping weight              | 6 kg           |

## Pictograms

### STANDARD



### OPTION



### FACTORY

