

# KERN 572-35

**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



|                            |        |
|----------------------------|--------|
| Maximum creep (15 minutes) | 100 mg |
| Maximum creep (30 minutes) | 200 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) | 180×310×90 mm   |
| Dimensions weighing surface (Ø)       | 150 mm          |
| Dimensions weighing surface           | 150 mm          |
| Material housing                      | cast aluminium  |
| Material weighing plate               | stainless steel |
| Material platform                     | stainless steel |
| 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                                               | Hook (optional)            |
| Function for averaging under unstable weighing conditions         | ✓                          |
| Counting function                                                 | ✓                          |
| Counting resolution (laboratory conditions)                       | 240.000                    |
| Counting reference weight can be entered                          | ✓                          |
| Smallest piece weight when piece counting - laboratory conditions | 10 mg                      |
| Smallest piece weight when piece counting - normal conditions     | 100 mg                     |
| Reference quantity                                                | 5, 10, 20, 50, free, Input |
| Hold function                                                     | ✓                          |

## Category

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

## Measuring System

|                                                |                                |
|------------------------------------------------|--------------------------------|
| Weighing system                                | Strain gauge                   |
| Weighing capacity [Max]                        | 2400 g                         |
| USP Minimum weight of sample (k = 2, U = 0.1%) | 20 g                           |
| Readability [d]                                | 0,01 g                         |
| Reproducibility                                | 0,01 g                         |
| Linearity                                      | ± 0,03 g                       |
| Resolution                                     | 240.000                        |
| Adjustment options                             | Adjusting with external weight |
| Recommended adjusting weight                   | 2 kg (F1)                      |
| Possible calibration points                    | 500 g; 1 kg; 2 kg; 2,4 kg      |
| Stabilization time                             | 3 s                            |
| Eccentric loading at 1/3 [Max]                 | 0,05 g                         |
| Construction type of the scale                 | Single-range balance           |

## Units

kg  
g  
dwt  
tl (Tw)  
tl (HK)  
ozt  
tl (Singap, Malays)  
ct  
mo  
lb  
oz  
ffa

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|                                                                |                |
|----------------------------------------------------------------|----------------|
| 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)     |
|                           | Bluetooth (optional)  |
|                           | Ethernet (optional)   |
|                           | USB-Device (optional) |
|                           | KUP                   |
|                           | 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

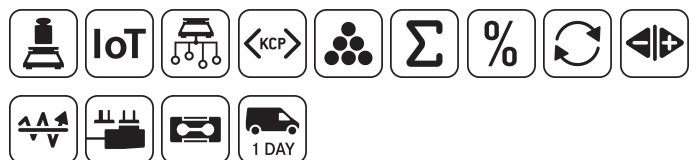
|                              |                |
|------------------------------|----------------|
| Delivery time                | 1 d            |
| Dimensions packaging (W×D×H) | 400×340×220 mm |
| Shipping method              | Parcel service |
| Net weight approx.           | 2,4 kg         |
|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

## Product information

|                      |                          |
|----------------------|--------------------------|
| GTIN/EAN number      | 4045761356863            |
| Trade number         | 90160010                 |
| REACH classification | no prohibited substances |

## Pictograms

### STANDARD



### OPTION



### FACTORY

