# KERN **DS 30K0.1L**

**KERN**

Precision industrial scale with laboratory accuracy, ideal for the diverse possibilities of Industry 4.0 applications



| Category | |
|---|---|
| Brand | KERN |
| Product categoriy | Industrial scale |
| Product group | Platform scale |
| Product family | DS |

| Measuring System | |
|---|---|
| Weighing system | Strain gauge |
| Weighing capacity [Max] | 30 kg |
| Readability [d] | 0,0001 kg |
| Reproducibility | 0,0002 kg |
| Linearity | ± 0,0005 kg |
| Resolution | 300.000 |
| Adjustment options | Adjusting with external weight |
| Recommended adjusting weight | 30 kg (E2) |
| Possible calibration points | 10 kg; 15 kg; 20 kg; 30 kg |
| Stabilization time | 3 s |
| Warm-up time | 120 min |
| Eccentric loading at 1/3 [Max] | 0,0005 kg |
| Construction type of the scale | Single-range balance |
| Units | kg<br>g<br>dwt<br>tl (Tw)<br>tl (HK)<br>ozt<br>tl (Singap, Malays)<br>ct<br>mo<br>lb<br>oz<br>ffa |
| Maximum creep (15 minutes) | 1 g |
| Maximum creep (30 minutes) | 2 g |

| Default unit | kg |
|---|---|

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

| Construction | |
|---|---|
| Dimension housing (W×D×H) | 225×115×60 mm |
| Dimension display device (W×D×H) | 225×115×60 mm |
| Dimensions weighing surface (W×D) | 500×400 mm |
| Dimensions weighing surface | 500×400 mm |
| Dimensions weighing platform (W×D×H) | 500×400×125 mm |
| Material housing | plastic |
| Material weighing plate | stainless steel |
| Material platform | metal, lacquered |
| Material display housing | plastic |
| Level indicator | ✓ |
| Levelling feet adjustable | ✓ |
| Stand height | 450 mm |
| Wall mount | ✓ |
| Transport safety lock - bolt torque | 0,1 Nm |
| Display device cable length | 2,5 m |

| Functions | |
|---|---|
| PreTare function | ✓ |
| Recipe/summing level | Rez A (Net total) |
| Percentage determination | ✓ |
| Tolerance weighing | ✓ |
| Tolerance weighing - type of signal | acoustically<br>visual |
| Underfloor weighing | None |
| Function for averaging under unstable weighing conditions | ✓ |
| Counting function | ✓ |
| Counting resolution (laboratory conditions) | 300.000 |
| 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 |

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| | |
|---|---|
| Reference quantity | 5, 10, 20, 50, n (any number of pieces) |
| Auto-off interval(s) in battery mode/rechargeable battery mode | 5 min<br>2 min<br>1 min<br>30 min<br>60 min<br>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>Ethernet (optional)<br>Bluetooth BLE (v4.0) (optional)<br>USB-Device (optional)<br>KUP<br>WiFi (optional) |
| compatible with EasyTouch | ✓ |

## 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 |
| Power socket for mains adapter | Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 13 mm |
| 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 - intern |

## Environmental conditions

| | |
|---|---|
| Ambient temperature [Min] | -10 °C |
| Ambient temperature [Max] | 40 °C |
| Humity of environment [Max] | 80 % |

## 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) | 600×510×230 mm |
| Shipping method | Parcel service |
| Net weight approx. | 19 kg |
| Gross weight approx. | 22 kg |
| Shipping weight | 20,5 kg |

## Product information

| | |
|---|---|
| GTIN/EAN number | 4045761357075 |

## Pictograms

**STANDARD**

| CAL EXT | KUP | KCP PROTOCOL | GLP PRINTER | PCS | SUM | PERCENT | UNIT | MOVE |
|---|---|---|---|---|---|---|---|---|

| MULTI | DMS | 1 DAY |
|---|---|---|

**OPTION**

| ET | RS 232 | USB | BT 4.0 | WIFI | LAN | ACCU | DAkkS +3 DAYS |
|---|---|---|---|---|---|---|---|