

KERN DS 30K0.1

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



| | |
|----------------------------|-----|
| 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 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) | 308×318 mm |
| Dimensions weighing surface | 308×318 mm |
| Dimensions weighing platform (W×D×H) | 308×318×75 mm |
| Material housing | plastic |
| Material weighing plate | stainless steel |
| Material platform | metal, lacquered |
| Material display housing | plastic |
| Level indicator | ✓ |
| Stand height | 450 mm |
| Wall mount | ✓ |
| Display device cable length | 2,5 m |

| Functions | |
|---|---|
| PreTare function | ✓ |
| Sum memory function | ✓ |
| Percentage determination | ✓ |
| Tolerance weighing | ✓ |
| Tolerance weighing - type of signal | acoustically 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 |
| Reference quantity | 5, 10, 20, 50, n (any number of pieces) |

Category

| | |
|------------------|------------------|
| Brand | KERN |
| Product category | 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 |
| Eccentric loading at 1/3 [Max] | 0,0005 kg |
| 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 |
| Maximum creep (15 minutes) | 1 g |

KERN DS 30K0.1



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

| | |
|--|--------|
| 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) |
| | Ethernet (optional) |
| | Bluetooth BLE (v4.0) (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 |

| | |
|--|------|
| 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 |
| Humidity 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) | 510×380×140 mm |
|------------------------------|----------------|

| | |
|-----------------|----------------|
| Shipping method | Parcel service |
|-----------------|----------------|

| | |
|--------------------|------|
| Net weight approx. | 8 kg |
|--------------------|------|

| | |
|----------------------|------|
| Gross weight approx. | 9 kg |
|----------------------|------|

| | |
|-----------------|--------|
| Shipping weight | 8,6 kg |
|-----------------|--------|

| | |
|------------------------|--------|
| Shipping volume weight | 5,4 kg |
|------------------------|--------|

Product information

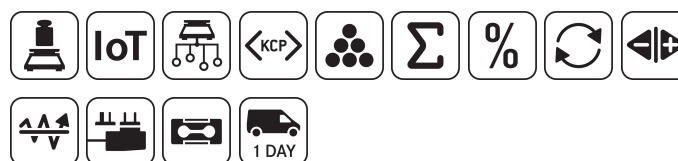
| | |
|-----------------|---------------|
| GTIN/EAN number | 4045761357068 |
|-----------------|---------------|

| | |
|--------------|----------|
| Trade number | 84238129 |
|--------------|----------|

| | |
|----------------------|--------------------------|
| REACH classification | no prohibited substances |
|----------------------|--------------------------|

Pictograms

STANDARD



OPTION

