

# KERN UFA 600K-1S

**KERN**

Highly versatile weighing beams (IP67) for large loads to 600 kg



## Category

|                  |                  |
|------------------|------------------|
| Brand            | KERN             |
| Product category | Industrial scale |
| Product group    | Weighing beam    |
| Product family   | UFA              |

## Measuring System

|                                              |                                |
|----------------------------------------------|--------------------------------|
| Weighing system                              | Strain gauge                   |
| Weighing capacity [Max]                      | 600 kg                         |
| Readability [d]                              | 0,2 kg                         |
| Reproducibility                              | 0,2 kg                         |
| Linearity                                    | ± 0,6 kg                       |
| Resolution                                   | 3.000                          |
| Tare range                                   | -600 kg                        |
| Adjustment options                           | Adjusting with external weight |
| Recommended adjusting weight                 | 600 kg (M1)                    |
| Stabilization time                           | 2 s                            |
| Warm-up time                                 | 10 min                         |
| Eccentric loading at 1/3 [Max]               | 1 kg                           |
| Load cell connection                         | 4-wire                         |
| Construction type of the scale               | Single-range balance           |
| Units                                        | kg<br>g<br>lb<br>oz<br>lb:oz   |
| Default unit                                 | kg                             |
| Load cell - load cell resistance [Min] (Ohm) | 350                            |
| Load cell - load cell resistance [Max] (Ohm) | 350                            |
| Loadcell type                                | ZEMIC H8C 0,5 ton              |

## Display

|                                 |                 |
|---------------------------------|-----------------|
| Display type                    | LCD             |
| Display backlight               | ✓               |
| Display segments                | 5 + 1/2         |
| Display digit height            | 52 mm           |
| Languages of the user interface | Symbol language |

## Construction

|                                           |                  |
|-------------------------------------------|------------------|
| Dimension display device (W×D×H)          | 250×160×65 mm    |
| Dimensions weighing surface (W×D)         | 800×120 mm       |
| Dimensions weighing surface               | 800×120 mm       |
| Dimensions weighing platform (W×D×H)      | 870×170×83 mm    |
| Material weighing plate                   | steel, lacquered |
| Material platform                         | steel, lacquered |
| Material display housing                  | plastic          |
| Levelling feet adjustable                 | ✓                |
| Stand inclinable                          | ✓                |
| Wall mount                                | ✓                |
| Display device cable length               | 5 m              |
| Allowed cable length display device [Max] | 20 m             |
| Cable length between weighing beam        | 5 m              |
| Load cells - number                       | 4                |

## Functions

|                                                                |                        |
|----------------------------------------------------------------|------------------------|
| Sum memory function                                            | ✓                      |
| Recipe/summing level                                           | Sum A                  |
| Tolerance weighing                                             | ✓                      |
| Tolerance weighing - type of signal                            | acoustically<br>visual |
| Underfloor weighing                                            | None                   |
| Function for averaging under unstable weighing conditions      | ✓                      |
| Counting function                                              | ✓                      |
| Reference quantity                                             | 10, 20, 50, 100, 200   |
| IP protection - display                                        | no IP protection       |
| IP protection - load cell                                      | IP67                   |
| Auto-off interval(s) in battery mode/rechargeable battery mode | selectable             |
| Auto-off interval(s) in mains power mode                       | selectable             |
| Tare function                                                  | manual (multi)         |
| Number of keys for operation                                   | 7                      |

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## Interface

|            |                                                                                                                                                             |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Interfaces | RS-232 standard<br>Bluetooth BTC (v2.0)<br>(optional, factory)<br>analogue (0 - 10 V)<br>(optional, factory)<br>analogue (4 - 20 mA)<br>(optional, factory) |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 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<br>UK<br>US<br>CH                                        |
| Plug-in power supply / adapter for countries - optional                   | EURO<br>AUS<br>UK<br>US<br>CH                                 |
| Power supply - Cable length                                               | 180 cm                                                        |
| Input voltage power supply / power [Max]                                  | 110 V - 230 V AC                                              |
| Input voltage device / power [Max]                                        | 12 V, 500 mA                                                  |
| Power socket for mains adapter                                            | Hollow plug inside plus,<br>Ø outside 5,5 mm; Ø inside 2,1 mm |
| Battery / accumulator type                                                | Pb                                                            |
| Rechargeable battery                                                      | 6 V, 1.2 Ah                                                   |
| Rechargeable battery operating time - backlight on                        | 8 h                                                           |
| Rechargeable battery operating time - backlight off                       | 35 h                                                          |
| Rechargeable battery charging time                                        | 10 h                                                          |
| Rechargeable battery optional                                             | Rchrg. battery optional<br>(factory)                          |

## Environmental conditions

|                               |        |
|-------------------------------|--------|
| Ambient temperature [Min]     | -10 °C |
| Ambient temperature [Max]     | 40 °C  |
| Humidity of environment [Min] | 0 %    |
| Humidity of environment [Max] | 80 %   |

## Approval

|         |   |
|---------|---|
| CE mark | ✓ |
|---------|---|

## Services (optional)

|                                                               |         |
|---------------------------------------------------------------|---------|
| Article number for adjustment at the location of installation | 961-250 |
| Article number for DAkkS calibration                          | 963-130 |
| Article number for certificate of conformity                  | 969-517 |

## Packing & Shipping

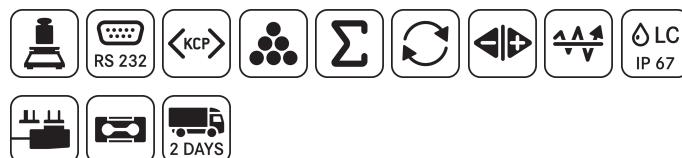
|                              |                |
|------------------------------|----------------|
| Delivery time                | 2 d            |
| Dimensions packaging (W×D×H) | 935×495×345 mm |
| Shipping method              | Freight        |
| Net weight approx.           | 36 kg          |
| Gross weight approx.         | 50 kg          |
| Shipping weight              | 50 kg          |

## Product information

|                      |                          |
|----------------------|--------------------------|
| GTIN/EAN number      | 4045761196476            |
| REACH classification | no prohibited substances |

## Pictograms

### STANDARD



### OPTION



### FACTORY

