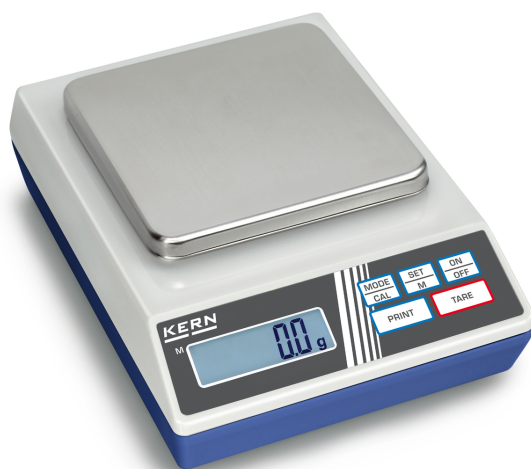


# KERN 440-47N

The classic balance in the laboratory

# KERN



| Category         |                    |
|------------------|--------------------|
| Brand            | KERN               |
| Product category | Laboratory balance |
| Product group    | Precision balance  |
| Product family   | 440                |

| Measuring System                               |                                |
|------------------------------------------------|--------------------------------|
| Construction type of the scale                 | Single-range balance           |
| Weighing system                                | Strain gauge                   |
| Weighing capacity [Max]                        | 2000 g                         |
| Readability [d]                                | 0,1 g                          |
| Reproducibility                                | 0,1 g                          |
| Linearity                                      | ± 0,2 g                        |
| USP Minimum weight of sample (k = 2, U = 0.1%) | 200 g                          |
| Resolution                                     | 20.000                         |
| Adjustment options                             | Adjusting with external weight |
| Recommended adjusting weight                   | 2 kg (M1)                      |
| Possible calibration points                    | 500 g; 1 kg; 1,5 kg; 2 kg      |
| Stabilization time                             | 3 s                            |
| Warm-up time                                   | 30 min                         |
| Eccentric loading at 1/3 [Max]                 | 0,3 g                          |
| Maximum creep (15 minutes)                     | 400 mg                         |
| Maximum creep (30 minutes)                     | 800 mg                         |
| Default unit                                   | g                              |

Units

g  
dwt  
tl (Tw)  
tl (HK)  
ozt  
mo  
lb

oz  
tol

| Display              |       |
|----------------------|-------|
| Display type         | LCD   |
| Display backlight    | ✓     |
| Display digit height | 15 mm |

| Construction                      |                 |
|-----------------------------------|-----------------|
| Dimension housing (W×D×H)         | 165×230×80 mm   |
| Dimensions weighing surface (W×D) | 130×130 mm      |
| Dimensions weighing surface       | 130×130 mm      |
| Material housing                  | plastic         |
| Material weighing plate           | stainless steel |

| Functions                                                         |                   |
|-------------------------------------------------------------------|-------------------|
| Recipe/summing level                                              | Rez A (Net total) |
| Percentage determination                                          | ✓                 |
| Underfloor weighing                                               | Hook (optional)   |
| Function for averaging under unstable weighing conditions         | ✓                 |
| Counting function                                                 | ✓                 |
| Counting resolution (laboratory conditions)                       | 10.000            |
| Smallest piece weight when piece counting - laboratory conditions | 200 mg            |
| Smallest piece weight when piece counting - normal conditions     | 2 g               |
| Reference quantity                                                | 5, 10, 20, 25, 50 |
| Auto-off interval(s) in battery mode/rechargeable battery mode    | 3 min<br>off      |
| Tare function                                                     | manual (multi)    |
| Number of keys for operation                                      | 5                 |

| Interface  |                 |
|------------|-----------------|
| Interfaces | RS-232 standard |

| Power Supply                                                              |                        |
|---------------------------------------------------------------------------|------------------------|
| Supplied power supply                                                     | Power supply unit      |
| 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 |

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|                                                     |                               |
|-----------------------------------------------------|-------------------------------|
| Input voltage power supply / power [Max]            | 100 - 240 V AC 50/60 Hz 0.5 A |
| Input voltage device / power [Max]                  | 9 V, 300 mA                   |
| Battery / accumulator type                          | NiMH                          |
| Battery                                             | 9 V block                     |
| Battery connection                                  | 9V Bloc                       |
| Battery operating time                              | 20 h                          |
| Rechargeable battery                                | FCB-A01                       |
| Rechargeable battery operating time - backlight off | 20 h                          |
| Rechargeable battery charging time                  | 10 h                          |
| Rechargeable battery optional                       | Rchrg. battery optional       |

## Environmental conditions

|                               |        |
|-------------------------------|--------|
| Ambient temperature [Min]     | 5 °C   |
| Ambient temperature [Max]     | 35 °C  |
| Humidity of environment [Max] | 80 %   |
| Storage temperature [Min]     | -20 °C |
| Storage temperature [Max]     | 60 °C  |

## Approval

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

## Services (optional)

|                                                               |         |
|---------------------------------------------------------------|---------|
| Article number for adjustment at the location of installation | 961-247 |
| 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) | 348×212×178 mm |
| Shipping method              | Parcel service |
| Net weight approx.           | 1,2 kg         |
| Gross weight approx.         | 1,6 kg         |
| Shipping weight              | 2,6 kg         |

## Pictograms

### STANDARD



### OPTION

