

# KERN PNS 12000-1

**KERN**

The new standard in the laboratory with robust tuning fork weighing system



|                              |          |
|------------------------------|----------|
| Weighing capacity [Max] (ct) | 60000 ct |
| Readability carat [d] (ct)   | 1 ct     |
| Maximum creep (15 minutes)   | 1 g      |
| Maximum creep (30 minutes)   | 2 g      |
| Default unit                 | g        |

| Display                         |                 |
|---------------------------------|-----------------|
| Display type                    | LCD             |
| Display backlight               | ✓               |
| Display screen size             | 109×27 mm       |
| Display digit height            | 16,5 mm         |
| Languages of the user interface | Symbol language |

| Construction                         |                 |
|--------------------------------------|-----------------|
| Dimension housing (W×D×H)            | 196×293×89 mm   |
| Dimensions weighing surface (W×D)    | 190×190 mm      |
| Dimensions weighing surface          | 190×190 mm      |
| Dimensions weighing platform (W×D×H) | 190×190×89 mm   |
| Material housing                     | plastic         |
| Material weighing plate              | stainless steel |
| Level indicator                      | ✓               |
| Levelling feet adjustable            | ✓               |

| Functions                                                         |                  |
|-------------------------------------------------------------------|------------------|
| Percentage determination                                          | ✓                |
| Tolerance weighing                                                | ✓                |
| Tolerance weighing - type of signal                               | visual           |
| Capacity - Display                                                | ✓                |
| Counting function                                                 | ✓                |
| Counting resolution (laboratory conditions)                       | 120.000          |
| 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                                                | 10, 30, 50, 100  |
| IP protection - display                                           | no IP protection |
| IP protection - platform                                          | no IP protection |
| Auto-off interval(s) in mains power mode                          | 3 min            |
| Tare function                                                     | manual (multi)   |
| Number of keys for operation                                      | 5                |

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

| Measuring System                               |                                                                                       |
|------------------------------------------------|---------------------------------------------------------------------------------------|
| Weighing system                                | Tuning fork                                                                           |
| Weighing capacity [Max]                        | 12000 g                                                                               |
| Readability [d]                                | 0,1 g                                                                                 |
| Reproducibility                                | 0,1 g                                                                                 |
| Linearity                                      | ± 0,2 g                                                                               |
| Resolution                                     | 120.000                                                                               |
| Tare range                                     | 12000 g                                                                               |
| Adjustment options                             | Adjusting with external weight                                                        |
| Recommended adjusting weight                   | 12 kg (F1)                                                                            |
| Possible calibration points                    | 12 kg                                                                                 |
| Stabilization time                             | 3 s                                                                                   |
| Warm-up time                                   | 120 min                                                                               |
| Eccentric loading at 1/3 [Max]                 | 0,3 g                                                                                 |
| USP Minimum weight of sample (k = 2, U = 0.1%) | 200 g                                                                                 |
| Construction type of the scale                 | Single-range balance                                                                  |
| Units                                          | g<br>dwt<br>tl (Tw)<br>tl (HK)<br>ozt<br>tl (Singap, Malays)<br>mo<br>lb<br>oz<br>tol |

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## Interface

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

## Power Supply

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

|                   |               |
|-------------------|---------------|
| Power supply type | Power adapter |
|-------------------|---------------|

|  |      |
|--|------|
|  | EURO |
|--|------|

|                                    |     |
|------------------------------------|-----|
| Plug-in power supply / adapter for | AUS |
|------------------------------------|-----|

countries - included with the  
delivery

UK

US

CH

|  |      |
|--|------|
|  | EURO |
|--|------|

|                                    |     |
|------------------------------------|-----|
| Plug-in power supply / adapter for | AUS |
|------------------------------------|-----|

countries - optional

UK

US

CH

|                                             |                         |
|---------------------------------------------|-------------------------|
| Input voltage power supply /<br>power [Max] | 220 V - 240 V AC, 50 Hz |
|---------------------------------------------|-------------------------|

|                                    |             |
|------------------------------------|-------------|
| Input voltage device / power [Max] | 5,95 V, 1 A |
|------------------------------------|-------------|

|                                |                                                                                    |
|--------------------------------|------------------------------------------------------------------------------------|
| Power socket for mains adapter | Hollow plug, inside plus,<br>Ø outside 4,75 mm, Ø<br>inside 1,7 mm, long 9,5<br>mm |
|--------------------------------|------------------------------------------------------------------------------------|

|                 |     |
|-----------------|-----|
| Battery voltage | 3 V |
|-----------------|-----|

|                             |       |
|-----------------------------|-------|
| Battery - Individual weight | 6,6 g |
|-----------------------------|-------|

## Environmental conditions

|                           |      |
|---------------------------|------|
| Ambient temperature [Min] | 5 °C |
|---------------------------|------|

|                           |       |
|---------------------------|-------|
| Ambient temperature [Max] | 40 °C |
|---------------------------|-------|

|                               |      |
|-------------------------------|------|
| Humidity of environment [Max] | 80 % |
|-------------------------------|------|

## Approval

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

## Services (optional)

|                                         |         |
|-----------------------------------------|---------|
| Article number for DAkkS<br>calibration | 963-128 |
|-----------------------------------------|---------|

|                                                 |         |
|-------------------------------------------------|---------|
| Article number for certificate of<br>conformity | 969-517 |
|-------------------------------------------------|---------|

## Packing & Shipping

|               |     |
|---------------|-----|
| Delivery time | 1 d |
|---------------|-----|

|                              |                |
|------------------------------|----------------|
| Dimensions packaging (W×D×H) | 325×410×210 mm |
|------------------------------|----------------|

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

|                    |        |
|--------------------|--------|
| Net weight approx. | 2,8 kg |
|--------------------|--------|

|                      |        |
|----------------------|--------|
| Gross weight approx. | 3,8 kg |
|----------------------|--------|

|                 |        |
|-----------------|--------|
| Shipping weight | 5,6 kg |
|-----------------|--------|

## Product information

|                 |               |
|-----------------|---------------|
| GTIN/EAN number | 4045761184008 |
|-----------------|---------------|

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

## Pictograms

### STANDARD



### OPTION

