

# KERN FK 1K



Robust, digital force gauge for tensile and compressive force measurements



## Category

|                  |                                                  |
|------------------|--------------------------------------------------|
| Brand            | Sauter                                           |
| Product category | Force measurement                                |
| Product group    | Digital force gauge<br>(internal measuring cell) |
| Product family   | FK                                               |

## Measuring System

|                                    |                        |
|------------------------------------|------------------------|
| Measuring range force [Max] (N)    | 1 kN                   |
| Readability force [d] (N)          | 0,5 N                  |
| Measuring head measuring frequency | 1000 Hz                |
| Overload protection (% of [Max])   | 200%                   |
| Default unit                       | N                      |
| Number of platforms / channels     | 1                      |
| Tolerance (% of [Max])             | 0,5%                   |
| Directions of force                | tension<br>compression |

## Display

|                      |       |
|----------------------|-------|
| Display type         | LCD   |
| Display digit height | 18 mm |
| Screen reversible    | ✓     |

## Construction

|                                       |              |
|---------------------------------------|--------------|
| Dimension housing (W×D×H)             | 195×83×35 mm |
| Dimensions completely mounted (W×D×H) | 195×83×35 mm |
| Material housing                      | plastic      |
| Load support (tensile force)          | Hook         |

## Functions

|               |   |
|---------------|---|
| Hold function | ✓ |
| Peak function | ✓ |

## Power Supply

|                                                                           |                                 |
|---------------------------------------------------------------------------|---------------------------------|
| Supplied power supply                                                     | Power supply & battery included |
| 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                   | UK<br>US                        |
| Input voltage power supply / power [Max]                                  | 100 V - 240 V                   |
| Input voltage device / power [Max]                                        | 9 V, 300 mA                     |
| Battery / accumulator type                                                | Alkali(-Manganese)              |
| Battery                                                                   | 6×1.5 V AA                      |
| Battery connection                                                        | Pad + Spring                    |
| Battery operating time - backlight off                                    | 25 h                            |
| Battery operating time                                                    | 25 h                            |
| Battery capacity                                                          | 2.900 mAh                       |
| Battery voltage                                                           | 1,5 V                           |

## Environmental conditions

|                           |        |
|---------------------------|--------|
| Ambient temperature [Min] | 10 °C  |
| Ambient temperature [Max] | 30 °C  |
| Storage temperature [Min] | -10 °C |
| Storage temperature [Max] | 60 °C  |

## Approval

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

## Services (optional)

|                                                                         |          |
|-------------------------------------------------------------------------|----------|
| Article number for DAkKS calibration (tensile force)                    | 963-1620 |
| Article number for DAkKS calibration (compressive force)                | 963-2620 |
| Article number for DAkKS calibration (tensile force/ compressive force) | 963-3620 |
| Article number for factory calibration (tensile force)                  | 961-1620 |
| Article number for factory calibration (compressive force)              | 961-2620 |

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Article number for factory  
calibration (tensile force/  
compressive force) 961-3620

## Packing & Shipping

|                              |                |
|------------------------------|----------------|
| Delivery time                | 1 d            |
| Dimensions packaging (W×D×H) | 260×250×80 mm  |
| Net weight                   | 0,46 kg        |
| Shipping method              | Parcel service |
| Net weight approx.           | 0,50 kg        |
| Gross weight approx.         | 0,65 kg        |
| Shipping weight              | 1 kg           |

## Pictograms

### STANDARD



### OPTION

