

# KERN FH 1K

Universal digital force gauge for tensile and compressive force measurements with external load cell



## Article codes, product groups & Status information

|                       |                                                   |
|-----------------------|---------------------------------------------------|
| Model article-code    | FH 1K                                             |
| Model-Serie           | FH-M-EXT                                          |
| Assortment            | Sauter                                            |
| Product Type          | Force measurement                                 |
| Product group         | Digital force-measuring devices (external sensor) |
| Product usage type    | Main item;Accessories/Services                    |
| EAN code (Model)      | 4045761368507                                     |
| Predecessor Model     | FH 1K-2019a; FH 1K-2023a                          |
| Planned start date    | 2024-2HJ                                          |
| Customs tariff number | 90248000                                          |

## Technical data - Primary

|             |       |
|-------------|-------|
| Max. Force  | 1 kN  |
| Readability | 0.5 N |

## Technical data - Construction

|                       |                   |
|-----------------------|-------------------|
| Dimensions of housing | 45×25×0 mm        |
| Material housing      | Plastic           |
| Mounting thread       | Threaded hole M12 |

## Technical data - Display

|                |     |
|----------------|-----|
| Display type   | LCD |
| DisplayReverse | Yes |

## Technical data - Power supply

|              |                        |
|--------------|------------------------|
| Power supply | Battery & Power supply |
|--------------|------------------------|

|              |      |
|--------------|------|
| Battery type | NiMH |
|--------------|------|

|                              |      |
|------------------------------|------|
| Operating time (Display off) | 40 h |
|------------------------------|------|

|                             |      |
|-----------------------------|------|
| Operating time (Display on) | 24 h |
|-----------------------------|------|

## Technical data - Measuring system

|                         |                     |
|-------------------------|---------------------|
| Units                   | N                   |
| Tolerance (% from Max.) | 0.5%                |
| Force direction         | Compression;tension |

## Technical data - Functions

|                         |                            |
|-------------------------|----------------------------|
| Statistic-Function      | Yes                        |
| Limit value (Min - Max) | Yes                        |
| Audible ready signal    | Yes                        |
| Interface               | RS-232 standard;USB-Device |

## Technical data - Environmental conditions

|                               |       |
|-------------------------------|-------|
| Maximum operating temperature | 40 °C |
| Minimum storage temperature   | 40 °C |

## Technical data - Packing & Shipping

|                              |                                                                                       |
|------------------------------|---------------------------------------------------------------------------------------|
| Dimensions packaging (W×D×H) | 330×190×175 mm                                                                        |
| Gross weight                 | 2.8 kg                                                                                |
| Net weight                   | 1.6 kg                                                                                |
| Shipping method              | Parcel service                                                                        |
| UN number                    | Ni-MH (UN 3496, Packing Instruction #0, Not Restricted as per Special Provision A199) |

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|                                             |       |
|---------------------------------------------|-------|
| Packaging component - by weight - cardboard | 210 g |
|---------------------------------------------|-------|

|                                            |      |
|--------------------------------------------|------|
| Packaging component - by weight - plastics | 14 g |
|--------------------------------------------|------|

|                                             |         |
|---------------------------------------------|---------|
| Packaging component - by weight - styrofoam | 536.5 g |
|---------------------------------------------|---------|

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

## Technical data - Counting data

|        |     |
|--------|-----|
| Memory | Yes |
|--------|-----|

|                                 |   |
|---------------------------------|---|
| Value memory - number of groups | 1 |
|---------------------------------|---|

|                                            |    |
|--------------------------------------------|----|
| Value memory - number of cells (per group) | 10 |
|--------------------------------------------|----|

## Optional Services

|                               |         |
|-------------------------------|---------|
| DAkkS calibration - push/pull | 963-362 |
|-------------------------------|---------|

|                               |         |
|-------------------------------|---------|
| DAkkS calibration - push only | 963-262 |
|-------------------------------|---------|

|                               |         |
|-------------------------------|---------|
| DAkkS calibration - pull only | 963-162 |
|-------------------------------|---------|

## Functions

### Standard



### Option

