

# KERN FH 2K

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



## Article codes, product groups & Status information

|                       |                                                   |
|-----------------------|---------------------------------------------------|
| Model article-code    | FH 2K                                             |
| Model-Serie           | FH-M-EXT                                          |
| Assortment            | Sauter                                            |
| Product Type          | Force measurement                                 |
| Product group         | Digital force-measuring devices (external sensor) |
| Product usage type    | Main article                                      |
| EAN code (Model)      | 4045761368569                                     |
| Predecessor Model     | FH 2K; FH 2K-2019a                                |
| Planned start date    | 2024-2HJ                                          |
| Customs tariff number | 90248000                                          |
| CE Label              | Yes                                               |

## Technical data - Primary

|             |      |
|-------------|------|
| Max. Force  | 2 kN |
| Readability | 1 N  |

## Technical data - Construction

|                           |                   |
|---------------------------|-------------------|
| Dimension housing (W×D×H) | 240×70×40 mm      |
| Material housing          | Plastic           |
| Mounting thread           | Threaded hole M12 |

## Technical data - Display

|                 |     |
|-----------------|-----|
| Display type    | LCD |
| Display reverse | Yes |

## Technical data - Power supply

## 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 | 1.2 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 715 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

