# KERN FM 5K

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



| Article codes, product groups & Status information | |
|---|---|
| Model article-code | FM 5K |
| Model-Serie | FM |
| Assortment | Testing & Measuring Devices |
| Segment | Force measurement |
| Product group | Digital force-measuring devices (internal sensor) |
| Product usage type | Main article |
| EAN code (Model) | 4045761494909 |
| Predecessor Model | FL 5K |
| Planned start date | 2026-2HJ |
| Customs tariff number | 90248000 |
| CE Label | Yes |
| Country of Origin | CN |

| Technical data - Primary | |
|---|---|
| Max. Force | 5 kN |
| Readability | 2 N |

| Technical data - Construction | |
|---|---|
| Dimension housing (W×D×H) | 71×31×180 mm |
| Mounting thread | threaded hole M12 |
| Mounted dimensions | 71×31×180 mm |

| Technical data - Display | |
|---|---|
| Display type | LCD |
| Display reverse | Yes |

| Technical data - Power supply | |
|---|---|
| Power supply | Battery & Power supply |
| Battery type | NiMH |
| Operating time (Display off) | 10 h |
| Operating time (Display on) | 8 h |
| Protection Class | No protection class |
| Interfaces | USB-Device |
| Accumulator charging time | 8 h |

| Technical data - Measuring system | |
|---|---|
| Tolerance (% from Max.) | 0,2% |
| Force direction | Compression;tension |
| Maximum overload (%) | 120% |

| Technical data - Functions | |
|---|---|
| Peak-Function | Yes |
| Limit value (Min - Max) | Yes |

| Technical data - Environmental conditions | |
|---|---|
| Maximum operating temperature | 35 °C |
| Minimum storage temperature | 40 °C |

| Technical data - Packing & Shipping | |
|---|---|
| Dimensions packaging (W×D×H) | 263×230×75 mm |
| Gross weight | 2,4 kg |
| Net weight | 0,30 kg |

| | |
|---|---|
| Shipping method | Parcel service |
| UN number | Ni-MH (UN 3496, Packing Instruction #0, Not Restricted as per Special Provision A199) |
| Net weight | 0,28 kg |
| Packaging component - by weight - cardboard | 2.120 g |
| Delivery time | 1 d |

## Optional Services

| | |
|---|---|
| DAkkS calibration - push/pull | 963-363 |
| DAkkS calibration - push only | 963-263 |
| DAkkS calibration - pull only | 963-163 |

## Technical data - Counting data

| | |
|---|---|
| Memory | Yes |
| Value memory - number of groups | 1 |
| Value memory - number of cells (per group) | 500 |

## Functions

### Standard




### Option

