# KERN FH 50 EXT

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



| Article codes, product groups & Status information | |
|---|---|
| Model article-code | FH 50 EXT |
| Model-Serie | FH-S-EXT |
| Assortment | Testing & Measuring Devices |
| Product Type | Force measurement |
| Product group | Digital force-measuring devices (external sensor) |
| Product usage type | Main article |
| EAN code (Model) | 4045761368583 |
| Predecessor Model | FH 50 EXT-2.019a; FH 50 EXT-2.024a |
| Planned start date | 2024-2HJ |
| Customs tariff number | 90248000 |
| CE Label | Yes |
| Country of Origin | CN |

| Technical data - Primary | |
|---|---|
| Max. Force | 50 N |
| Readability | 0,01 N |

| Technical data - Construction | |
|---|---|
| Dimension housing (W×D×H) | 240×70×40 mm |
| Material housing | Plastic |
| Mounting thread | External thread M6 |

| 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) | 40 h |
| Operating time (Display on) | 24 h |
| Interfaces | RS-232 standard;USB-Device |

| Technical data - Measuring system | |
|---|---|
| Units | N |
| Tolerance (% from Max.) | 0,5% |
| Force direction | Compression;tension |

| Technical data - Functions | |
|---|---|
| Statistic-Function | Yes |
| Peak-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 | 2,2 kg |

| | |
|---|---|
| Net weight | 0,90 kg |
| Shipping method | Parcel service |
| UN number | Ni-MH (UN 3496, Packing Instruction #0, Not Restricted as per Special Provision A199) |
| Packaging component - by weight - cardboard | 210 g |
| Packaging component - by weight - plastics | 14 g |
| Packaging component - by weight - styrofoam | 642 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 | 963-361 |
| DAkkS calibration - push only | 963-261 |
| DAkkS calibration - pull only | 963-161 |

## Functions

### Standard




### Option

