

KERN FH 100 EXT

KERN

Force-measuring device with external high-resolution measuring cell for small loads



| | |
|---------------------------------------|--------------------|
| Dimension housing (W×D×H) | 232×66×36 mm |
| Dimensions completely mounted (W×D×H) | 232×66×36 mm |
| Material display housing | Plastics |
| Cable length | 2,5 m |
| Load support (tensile force) | Hook |
| Mounting - force application | External thread M6 |
| Dimensions load cell | 76×65×22 mm |

Functions

| | |
|--|-----------------|
| Auto-off interval(s) in battery mode/rechargeable battery mode | 1 - 60 min |
| Hold function | ✓ |
| Peak function | ✓ |
| Statistic function | ✓ |
| Limit-setting function | ✓ |
| Memory function | ✓ |
| Interfaces | RS-232 standard |

Power Supply

| | |
|---|---------------------|
| Input voltage power supply / power [Max] | 100 V - 240 V |
| Input voltage device / power [Max] | 12 V, 400 mA |
| Plug-in power supply type | Power adapter |
| Supplied power supply | Accu & Power supply |
| Plug-in power supply / adapter for countries - included with the delivery | EURO CH |
| Plug-in power supply / adapter for countries - optional | UK US |
| Rechargeable battery charging time | 4 h |
| Rechargeable battery operating time - backlight on | 10 h |
| Rechargeable battery operating time - backlight off | 12 h |
| Battery / accumulator type | NiMH |

Environmental conditions

| | |
|---------------------------|--------|
| Ambient temperature [Min] | 10 °C |
| Ambient temperature [Max] | 40 °C |
| Storage temperature [Min] | -10 °C |
| Storage temperature [Max] | 40 °C |

Packing & Shipping

| | |
|------------------------------|----------------|
| Readability force [d] (N) | 1 d |
| Dimensions packaging (W×D×H) | 325×185×165 mm |
| Net weight | 0,98 kg |

Category

| | |
|------------------|---|
| Brand | Sauter |
| Product category | Force measurement |
| Product group | Digital force gauge (external measuring cell) |
| Product family | FH-EXT |

Measuring System

| | |
|---|------------------------|
| Default unit | N |
| Tolerance (% of [Max]) | 0,5% |
| Measuring range force [Max] (N) | 100 N |
| Readability force [d] (N) | 0,05 N |
| Directions of force | tension compression |
| Measuring head measuring frequency | 2 kHz |
| Number of platforms / channels | 1 |
| Overload protection (% of [Max]) | 150% |
| Internal data memory: Number of value groups | 1 |
| Internal data memory: Number of individual values | 10 |

Approval

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

Display

| | |
|----------------------|-------|
| Display type | LCD |
| Display digit height | 10 mm |
| Screen reversible | ✓ |

Construction

| | |
|----------------------------------|--------------|
| Dimension display device (W×D×H) | 230×66×36 mm |
|----------------------------------|--------------|

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| | |
|----------------------|----------------|
| Shipping method | Parcel service |
| Net weight approx. | 1,00 kg |
| Gross weight approx. | 2,4 kg |
| Shipping weight | 2,34 kg |

Services (optional)

| | |
|---|---------|
| Article number for DAkkS calibration (tensile force) | 963-161 |
| Article number for DAkkS calibration (compressive force) | 963-261 |
| Article number for DAkkS calibration (tensile force/ compressive force) | 963-361 |
| Article number for factory calibration (tensile force) | 961-161 |
| Article number for factory calibration (compressive force) | 961-261 |
| Article number for factory calibration (tensile force/ compressive force) | 961-361 |

Pictograms

STANDARD

