

KERN FH 20K



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



| | |
|---------------------------------------|-------------------|
| Dimensions completely mounted (W×D×H) | 180×55×30 mm |
| Material display housing | Plastics |
| Material housing | plastic |
| Cable length | 3 m |
| Load support (tensile force) | Rod end |
| Mounting - force application | Threaded hole M12 |
| Mounting - force dissipation | Threaded hole M12 |

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

| Power Supply | |
|---|-------------------------------|
| Input voltage power supply / power [Max] | 100 V - 240 V |
| Input voltage device / power [Max] | 5 V 1000 mA |
| Plug-in power supply type | Power adapter |
| Supplied power supply | Accu & Power supply |
| Plug-in power supply / adapter for countries - optional | EURO AUS UK US CH |
| Rechargeable battery charging time | 120 min |
| Rechargeable battery operating time - backlight on | 24 h |
| Rechargeable battery operating time - backlight off | 40 h |
| Battery / accumulator type | NiMH |
| Battery connection | 2-pole tub connector |

| 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) | 360×240×170 mm |

Category

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

Measuring System

| | |
|---|------------------------|
| Default unit | kN |
| Tolerance (% of [Max]) | 0,5% |
| Measuring range force [Max] (N) | 20 kN |
| Readability force [d] (N) | 10 N |
| Directions of force | tension compression |
| Measuring head measuring frequency | 2 kHz |
| 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 |
| Screen reversible | ✓ |

Construction

| | |
|----------------------------------|--------------|
| Dimension display device (W×D×H) | 240×70×40 mm |
| Dimension housing (W×D×H) | 80×55×30 mm |

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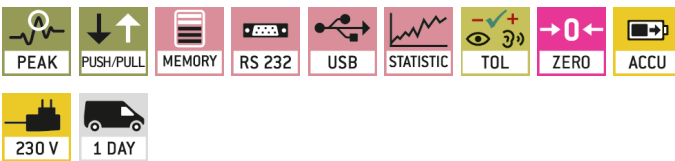
| | |
|----------------------|----------------|
| Net weight | 1,403 kg |
| Shipping method | Parcel service |
| Net weight approx. | 1,6 kg |
| Gross weight approx. | 3,0 kg |
| Shipping weight | 2,9 kg |

Services (optional)

| | |
|---|---------|
| Article number for factory calibration (tensile force) | 961-164 |
| Article number for factory calibration (compressive force) | 961-264 |
| Article number for factory calibration (tensile force/ compressive force) | 961-364 |

Pictograms

STANDARD



OPTION

