

KERN FK 500

Robust, digital force gauge for tensile and compressive force measurements

KERN



Category

| | |
|------------------|--|
| Brand | Sauter |
| Product category | Force measurement |
| Product group | Digital force gauge (internal measuring cell) |
| Product family | FK |

Measuring System

| | |
|------------------------------------|------------------------|
| Measuring range force [Max] (N) | 500 N |
| Readability force [d] (N) | 0,2 N |
| Measuring head measuring frequency | 1000 Hz |
| Overload protection (% of [Max]) | 200% |
| Default unit | N |
| Number of platforms / channels | 1 |
| Tolerance (% of [Max]) | 0,5% |
| Directions of force | tension compression |

Display

| | |
|----------------------|-------|
| Display type | LCD |
| Display digit height | 18 mm |
| Screen reversible | ✓ |

Construction

| | |
|---------------------------------------|--------------|
| Dimension housing (W×D×H) | 195×84×35 mm |
| Dimensions completely mounted (W×D×H) | 195×84×35 mm |
| Material housing | plastic |
| Load support (tensile force) | Hook |

Functions

| | |
|---------------|---|
| Hold function | ✓ |
| Peak function | ✓ |

Power Supply

| | |
|---|---------------------------------|
| Supplied power supply | Power supply & battery included |
| Plug-in power supply type | Power adapter |
| Plug-in power supply / adapter for countries - included with the delivery | EURO UK US CH |
| Plug-in power supply / adapter for countries - optional | US |
| Input voltage power supply / power [Max] | 100 V - 240 V |
| Input voltage device / power [Max] | 9 V, 300 mA |
| Battery / accumulator type | Alkali(-Manganese) |
| Battery | 6×1.5 V AA |
| Battery connection | Pad + Spring |
| Battery operating time - backlight off | 25 h |
| Battery operating time | 25 h |
| Battery capacity | 2.900 mAh |
| Battery voltage | 1,5 V |

Environmental conditions

| | |
|---------------------------|--------|
| Ambient temperature [Min] | 10 °C |
| Ambient temperature [Max] | 30 °C |
| Storage temperature [Min] | -10 °C |
| Storage temperature [Max] | 60 °C |

Approval

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

Services (optional)

| | |
|---|----------|
| Article number for DAkKS calibration (tensile force) | 963-1610 |
| Article number for DAkKS calibration (compressive force) | 963-2610 |
| Article number for DAkKS calibration (tensile force/ compressive force) | 963-3610 |
| Article number for factory calibration (tensile force) | 961-1610 |
| Article number for factory calibration (compressive force) | 961-2610 |

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Article number for factory
calibration (tensile force/
compressive force) 961-3610

Packing & Shipping

| | |
|------------------------------|----------------|
| Delivery time | 1 d |
| Dimensions packaging (W×D×H) | 255×250×80 mm |
| Shipping method | Parcel service |
| Net weight approx. | 0,65 kg |
| Gross weight approx. | 0,90 kg |
| Shipping weight | 1 kg |

Pictograms

STANDARD



OPTION

