

## PRODUCT BROCHURE

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# SAUTER FC 10

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ENGLISH



Compact force gauge for tensile and compressive force measurements

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### CONTACT

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PRODUCT SHOWCASE



ENGLISH

DESCRIPTION

- Turnable display with backlight
- Peak-Hold function to capture the peak value or Track function for continuous display of measurement
- Metal housing for durable use in harsh environmental conditions
- Capacity display: A bar lights up to show how much of the measuring range is still available
- Measuring with tolerance range (limit-setting function): Upper and lower limit adjustable, between 10 and 100 % of [Max], in pull and push direction. The process is supported by an acoustic and visual signal
- Safety: If loads exceed 110 % of the measuring range, the device will give clear acoustic and visual signals
- Internal memory for up to 500 measurement values
- USB data interface and USB interface cable as standard
- Selectable: AUTO-OFF function or permanent operation
- Selectable measuring units: N, kgf, ozf, lbf
- Delivered in a robust carrying case
- Standard attachments as shown, extension rod: 90 mm, included with the delivery
- Can be mounted on all SAUTER test stands up to 5 kN

SPECIFICATIONS

Article codes, product groups & Status information

|                    |       |
|--------------------|-------|
| Model article-code | FC 10 |
| Model-Serie        | FC    |

|                    |                                                   |
|--------------------|---------------------------------------------------|
| Assortment         | Sauter                                            |
| Product Type       | Force measurement                                 |
| Product group      | Digital force-measuring devices (internal sensor) |
| Product usage type | Main article                                      |

|                       |                |
|-----------------------|----------------|
| EAN code (Model)      | 404576 1160842 |
| Customs tariff number | 90248000       |

### Technical data - Primary

|             |        |
|-------------|--------|
| Max. Force  | 10 N   |
| Readability | 0.01 N |

### Technical data - Construction

|                           |                    |
|---------------------------|--------------------|
| Dimension housing (W×D×H) | 140×70×32 mm       |
| Material housing          | metal              |
| Mounting thread           | External thread M6 |

### Technical data - Display

|                      |       |
|----------------------|-------|
| Display type         | LCD   |
| Display digit height | 10 mm |
| DisplayReverse       | yes   |

### Technical data - Power supply

|                                |                        |
|--------------------------------|------------------------|
| Power supply                   | Battery & Power supply |
| Battery type                   | NiMH                   |
| Operating time (Display off)   | 20 h                   |
| Operating time (Display on)    | 20 h                   |
| Mains adapter/adapter included | CH;EURO                |
| Protection Class               | no protection class    |

### Technical data - Measuring system

|       |   |
|-------|---|
| Units | N |
|-------|---|

Tolerance (% from Max.) 0.3%

Force direction compression;tension

### Technical data - Functions

|                         |                            |
|-------------------------|----------------------------|
| Hold-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)                | 310×260×125 mm                                                                        |
| Gross weight                                | 1.2 kg                                                                                |
| Net weight                                  | 0.50 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 | 230 g                                                                                 |
| Packaging component - by weight - styrofoam | 350 g                                                                                 |
| Delivery time                               | 1 d                                                                                   |

## Technical data - Counting data

|                                            |     |
|--------------------------------------------|-----|
| Memory                                     | yes |
| Value memory - number of cells (per group) | 500 |

## Optional Services

|                               |         |
|-------------------------------|---------|
| DAkkS calibration - push/pull | 963-361 |
| DAkkS calibration - push only | 963-261 |
| DAkkS calibration - pull only | 963-161 |

## FUNCTIONS

|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Standard                                                                            |                                                                                     |
|  |  |
|  |  |
|  |                                                                                     |
|  |  |
| Option                                                                              |                                                                                     |
|  |  |

## ACCESSORIES

| Model  | Description                                   |
|--------|-----------------------------------------------|
| AFK 02 | Stainless steel handle bar SAUTER AFK 02      |
| FC-A01 | Interface cable FC-A01                        |
| AFM 05 | Adapter KERN AFM 05                           |
| AE 01  | Standard Clamp AE 01                          |
| AE 05  | Rope and thread tension clamp SAUTER AE 05    |
| AE 07  | Wedge Clamp with jaws AE 07                   |
| AC 02  | Stainless steel ball-shaped head SAUTER AC 02 |

| Model  | Description                          |
|--------|--------------------------------------|
| AC 17  | Long clamp SAUTER AC 17              |
| AFM 07 | Sleeve SAUTER AFM 07                 |
| AE 03  | Clamp SAUTER AE 03                   |
| AE 04  | Clamp SAUTER AE 04                   |
| AE 06  | Clamp SAUTER AE 06                   |
| AC 17R | Long clamp SAUTER AC 17R             |
| AE 500 | Screw Tension Clamp SAUTER AE 500    |
| AFM 06 | Adapter KERN AFM 06                  |
| AFM 12 | assembly and repair AFM 12           |
| AFM 15 | Sleeve SAUTER AFM 15                 |
| AE 02  | Standard Clamp AE 02                 |
| YKA-01 | Power supply KERN YKA-01             |
| AC 22  | Fine point clamp SAUTER AC 22        |
| YKA-02 | Power supply adapter set KERN YKA-02 |
| AC 43  | Standard attachments SAUTER AC 43    |
| AC 22R | Fine point clamp SAUTER AC 22R       |

## SERVICES

| Model   | Description                                |
|---------|--------------------------------------------|
| 961-161 | Factory calibration KERN 961-161           |
| 961-361 | Factory calibration KERN 961-361           |
| 963-261 | DAkkS Calibration KERN 963-261             |
| 970-017 | Warranty extension KERN (+3 years) 970-017 |
| 963-161 | DAkkS Calibration KERN 963-161             |
| 961-261 | Factory calibration KERN 961-261           |
| 963-361 | DAkkS Calibration KERN 963-361             |

## SPARE PARTS

| Model     | Description                          |
|-----------|--------------------------------------|
| ODC-A8201 | USB 2.0 cable ODC-A8201              |
| FC-A02    | Power Adapter KERN FC-A02            |
| YKA-02    | Power supply adapter set KERN YKA-02 |

| Model    | Description                             |
|----------|-----------------------------------------|
| FC-A03   | Rechargeable battery pack SAUTER FC-A03 |
| RFC-4001 | Keyboard overlay KERN RFC-4001          |

## SOFTWARES

| Model    | Description                            |
|----------|----------------------------------------|
| AFH FD   | Data Transfer Software SAUTER AFH FD   |
| AFH LD   | Data Transfer Software SAUTER AFH LD   |
| AFH FAST | Data Transfer Software SAUTER AFH FAST |

## RELATED ARTICLES DATA

| Model name | Max. Force | Readability |
|------------|------------|-------------|
| FC 10      | 10 N       | 0.01 N      |
| FC 50      | 50 N       | 0.01 N      |
| FC 100     | 100 N      | 0.1 N       |
| FC 500     | 500 N      | 0.1 N       |
| FC 1K      | 1 kN       | 1 N         |
| FC 1K-BT   | 1 kN       | 1 N         |