

PRODUCT BROCHURE

SAUTER FC 1K-BT

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ENGLISH



Compact force measuring instrument

CONTACT

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PRODUCT SHOWCASE



DESCRIPTION

- Checking the consistency of sprayed concrete is essential to ensure the maximum strength of the concrete during the curing process
- The FC 1K-BT determines exactly the forces required for the needle to penetrate the concrete. This allows reliable conclusions to be made regarding the compressive strength of the concrete during the dry phase
- 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
- Limit value function, programming of Max./ Min., with output of acoustic and optical signal per ok indication
- 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
- Delivered in a robust carrying case
- Turnable display with backlight
- Selectable: AUTO-OFF function or continuous operation, charge indicator

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	FC 1K-BT
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 1247802
Customs tariff number	90248000

Technical data - Primary

Max. Force	1 kN
Readability	1 N

Technical data - Construction

Dimension housing (W×D×H)	145×73×34 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
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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

Peak-Function yes

Limit value (Min - Max) yes

Audible ready signal yes

Interface RS-232 standard;USB-Device

Technical data - Packing & Shipping

Dimensions packaging (W×D×H) 340×155×110 mm

Gross weight 2 kg

Net weight 1.8 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

Delivery time	1 d
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Technical data - Counting data

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

Optional Services

DAkkS calibration - push/pull	963-362
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DAkkS calibration - push only 963-262

DAkkS calibration - pull only	963-162
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FUNCTIONS

Standard



Option



ACCESSORIES

Model	Description
AC 11R	Clamp SAUTER AC 11R
AC 12R	Clamp SAUTER AC 12R
FC-A01	Interface cable FC-A01
AFM 06	Adapter KERN AFM 06
AFM 12	assembly and repair AFM 12
AFM 15	Sleeve SAUTER AFM 15

Model	Description
AC 12	Clamp SAUTER AC 12
AFK 02	Stainless steel handle bar SAUTER AFK 02
AC 43	Standard attachments SAUTER AC 43
AC 18R	Clamp SAUTER AC 18R
AFM 05	Adapter KERN AFM 05
AFM 07	Sleeve SAUTER AFM 07
AC 02	Stainless steel ball-shaped head SAUTER AC 02
AC 03	Clamp SAUTER AC 03
AC 18	Clamp SAUTER AC 18
AC 03R	Clamp SAUTER AC 03R
AC 46	Force sensor SAUTER AC 46
AE 08	Pressure plate SAUTER AE 08
YKA-01	Power supply KERN YKA-01
YKA-02	Power supply adapter set KERN YKA-02
AC 45	Force sensor SAUTER AC 45
AC 47	Force sensor SAUTER AC 47

SERVICES

Model	Description
961-362	Factory calibration KERN 961-362
963-362	DAkkS Calibration KERN 963-362
963-162	DAkkS Calibration KERN 963-162
961-162	Factory calibration KERN 961-162
961-262	Factory calibration KERN 961-262
970-107	Warranty extension KERN (+2 years) 970-107
963-262	DAkkS Calibration KERN 963-262

SPARE PARTS

Model	Description
BT-A01	Needle BT-A01
BT-A04	Screw BT-A04
FS-M15E	Foam SAUTER FS-M15E

Model	Description
RFC-4001	Keyboard overlay KERN RFC-4001
FC-A02	Power Adapter KERN FC-A02
FS TKZE	Transport case
BT-A02	Needle BT-A02
ODC-A8201	USB 2.0 cable ODC-A8201
FC-A03	Rechargeable battery pack SAUTER FC-A03
YKA-02	Power supply adapter set KERN YKA-02
FS-M15	Transport case SAUTER FS-M15
BT-A03	Needle BT-A03

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