



Compact force measuring instrument

Features

- 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
- Turnable display with backlight
- Selectable: AUTO-OFF function or continuous operation, charge indicator
- **1** Delivered in a robust carrying case

Technical data

- Transmission rate to PC: up to 200 measured values/second
- Measuring precision: 0,3 % of [Max]
- Overload protection: 150 % of [Max]
- Housing dimensions W×D×H 145×73×34 mm
- Net weight approx. 1,8 kg
- Selectable measuring units: N, kgf, ozf, lbf
- Robust, cleanable and portable construction
 - Built-in 1000 N force measuring cell
 - Rapid and simple changing of the penetration needle
 - Inverted display for better readability
 - Live peak force value for immediate monitoring
 - Measurement precision ± 0,1 %
 - USB interface

- **2** Penetration needle and adapter
 - Removable if necessary
 - Needle diameter: 3 mm
 - Upper angle: 60 degrees
 - Length: 15 mm
 - Included: 15 needles

Accessories

- Spare needles (set of 15 pieces) for concrete tester SAUTER BT-A01
- Further accessories see *internet*

STANDARD

PEAK

PUSH/PULL

MEMORY

RS 232

USB

UNIT

TOL

ZERO

ACCU

230 V

1 DAY

OPTION

SOFTWARE

DAkKS

ISO

Model	Measuring range [Max] N	Readability [d] N	Option DAkKS Calibration Certificate	
			Tensile Force	Compressive Force
SAUTER			DAkKS	DAkKS
			KERN	KERN
FC 1K-BT	1000	1	963-162	963-262