

KERN FC 50

KERN

Compact force gauge for tensile and compressive force measurements



Dimensions completely mounted (W×D×H)	140×70×34 mm
Material display housing	Metal
Material housing	metal
Load support (tensile force)	Hook
Mounting - force application	External thread M6

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

Power Supply	
Input voltage power supply / power [Max]	100 V - 240 V
Input voltage device / power [Max]	5 V, 1 A
Plug-in power supply type	Power adapter
Supplied power supply	Accu & Power supply
Plug-in power supply / adapter for countries - included with the delivery	EURO CH
Plug-in power supply / adapter for countries - optional	UK US
Rechargeable battery charging time	4 h
Rechargeable battery operating time - backlight on	20 h
Rechargeable battery operating time - backlight off	20 h
Battery / accumulator type	NiMH
Battery connection	2-pole tub connector
Battery capacity	400 mAh
Battery voltage	3,6 V

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)	340×160×110 mm
Net weight	0,94 kg

Category

Brand	Sauter
Product category	Force measurement
Product group	Digital force gauge
Product family	FC

Measuring System

Default unit	N
Tolerance (% of [Max])	0,3%
Measuring range force [Max] (N)	50 N
Readability force [d] (N)	0,01 N
Directions of force	tension compression
Measuring head measuring frequency	1000 Hz
Number of platforms / channels	1
Overload protection (% of [Max])	150%
Internal data memory: Number of individual values	500

Approval

CE mark	✓
---------	---

Display

Display type	LCD
Display resolution	160×128
Display digit height	10 mm
Screen reversible	✓

Construction

Dimension display device (W×D×H)	140×70×34 mm
Dimension housing (W×D×H)	140×70×34 mm

KERN FC 50



Compact force gauge for tensile and compressive force measurements

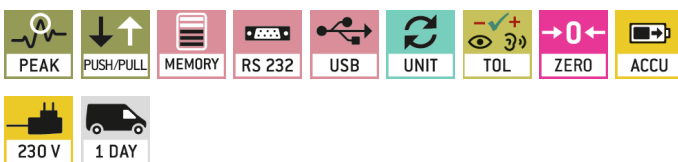
Shipping method	Parcel service
Net weight approx.	0,95 kg
Gross weight approx.	1,2 kg
Shipping weight	1,2 kg

Services (optional)

Article number for DAkkS calibration (tensile force)	963-161
Article number for DAkkS calibration (compressive force)	963-261
Article number for DAkkS calibration (tensile force/ compressive force)	963-361
Article number for factory calibration	961-361
Article number for factory calibration (tensile force)	961-161
Article number for factory calibration (compressive force)	961-261
Article number for factory calibration (tensile force/ compressive force)	961-361

Pictograms

STANDARD



OPTION

