

KERN FS 2-50



Premium force gauge with integrated load cell and connection possibility for up to 4 external load cells



Category	
Brand	Sauter
Product category	Force measurement
Product group	Digital force gauge
Product family	FS

Measuring System	
Measuring range force [Max] (N)	50 N
Readability force [d] (N)	0,01 N
Measuring head measuring frequency	1000 Hz
Overload protection (% of [Max])	150%
Default unit	N
Number of platforms / channels	2

Display	
Display type	TFT, color
Display resolution	320×480
Languages of the user interface	German English French Spanish Italian

Construction	
Dimension housing (W×D×H)	71×31×180 mm
Dimensions completely mounted (W×D×H)	71×31×180 mm
Dimension display device (W×D×H)	71×31×180 mm
Material housing	plastic
Material display housing	Plastics
Mounting - force application	External thread M6

Functions	
Peak function	✓
Memory function	✓
Statistic function	✓
Auto-off interval(s) in battery mode/rechargeable battery mode	selectable

Interface	
Interfaces	USB-Device

Power Supply	
Supplied power supply	Accu & Power supply
Plug-in power supply type	USB including power supply
Plug-in power supply / adapter for countries - included with the delivery	EURO
Plug-in power supply / adapter for countries - optional	UK
Input voltage power supply / power [Max]	100 V - 240 V, 50 / 60 Hz
Input voltage device / power [Max]	5 V, 1 A
Battery / accumulator type	Li-Ion
Battery connection	2-pole tub connector
Battery capacity	2.400 mAh
Battery voltage	3,7 V
Rechargeable battery	3,7V, 2400mAh
Rechargeable battery operating time - backlight on	5 h
Rechargeable battery operating time - backlight off	8 h
Rechargeable battery charging time	8 h

Approval	
CE mark	✓

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 (tensile force)	961-161

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Article number for factory calibration (compressive force)	961-261
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Article number for factory calibration (tensile force/ compressive force)	961-361
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Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	280×185×90 mm
Shipping method	Parcel service
Net weight approx.	0,40 kg
Gross weight approx.	1,4 kg
Shipping weight	1,25 kg

Pictograms

STANDARD



OPTION

