KERN **FS 4-50**

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

Category

Brand	Sauter
Product categoriy	Force measurement
Product group	Digital force gauge
Product family	FS

Measuring System

Default unit	N
Measuring range force [Max] (N)	50 N
Readability force [d] (N)	0,01 N
Measuring head measuring frequency	1000 Hz
Number of platforms / channels	4
Overload protection (% of [Max])	150%

Approval

CE mark	✓

Display

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

Construction

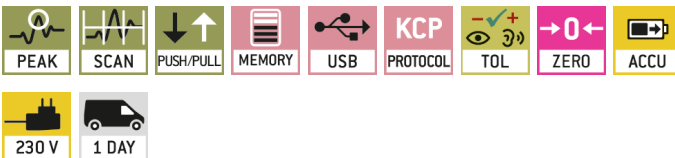|	
Dimension display device (W×D×H)	71×31×180 mm
Dimension housing (W×D×H)	71×31×180 mm
Dimensions completely mounted (W×D×H)	71×31×180 mm

Material housing	plastic
Mounting - force application	External thread M6

Functions

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

Power Supply

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

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	280×185×90 mm
Net weight	0,41 kg
Shipping method	Parcel service
Net weight approx.	0,45 kg
Gross weight approx.	1,4 kg
Shipping weight	1,26 kg

Services (optional)

Article number for DAkkS calibration (tensile force)	963-161
Article number for DAkkS calibration (compressive force)	963-261

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Article number for DAkkS calibration (tensile force/ compressive force)	963-361
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

PEAK SCAN PUSH/PULL MEMORY USB KCP PROTOCOL TOL ZERO ACCU

230 V 1 DAY

OPTION

SOFTWARE DAkkS +4 DAYS ISO +4 DAYS