

# KERN FS 4-20



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



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	Battery & Power supply
Plug-in power supply / adapter for countries - included with the delivery	EURO
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
Article number for DAkkS calibration (tensile force/compressive force)	963-361

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

Measuring System	
Default unit	N
Measuring range force [Max] (N)	20 N
Readability force [d] (N)	0,004 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

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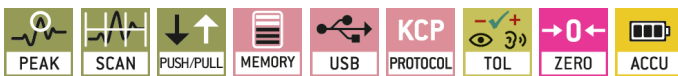
Article number for factory calibration (tensile force) 961-161

Article number for factory calibration (compressive force) 961-261

Article number for factory calibration (tensile force/ compressive force) 961-361

## Pictograms

### STANDARD



### OPTION

