

KERN FK 50



Robust, digital force gauge for tensile and compressive force measurements



Load support (tensile force) Hook

Functions

Hold function	✓
Peak function	✓

Power Supply

Input voltage power supply / power [Max]	100 V - 240 V
Input voltage device / power [Max]	9 V, 300 mA
Plug-in power supply type	Power adapter
Supplied power supply	Power supply & battery included
Plug-in power supply / adapter for countries - included with the delivery	EURO UK US CH
Plug-in power supply / adapter for countries - optional	UK US
Battery	6×1.5 V AA
Battery / accumulator type	Alkali(-Manganese)
Battery connection	Pad + Spring
Battery capacity	2.900 mAh
Battery voltage	1,5 V
Battery operating time	25 h
Battery operating time - backlight off	25 h

Environmental conditions

Ambient temperature [Min]	10 °C
Ambient temperature [Max]	30 °C
Storage temperature [Min]	-10 °C
Storage temperature [Max]	60 °C

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	255×260×80 mm
Net weight	0,73 kg
Shipping method	Parcel service
Net weight approx.	0,75 kg
Gross weight approx.	0,90 kg
Shipping weight	1,1 kg

Services (optional)

Article number for DAkKS calibration (tensile force)	963-1610
Article number for DAkKS calibration (compressive force)	963-2610

Category

Brand	Sauter
Product category	Force measurement
Product group	Digital force gauge (internal measuring cell)
Product family	FK

Measuring System

Default unit	N
Tolerance (% of [Max])	0,5%
Measuring range force [Max] (N)	50 N
Readability force [d] (N)	0,02 N
Directions of force	tension compression
Measuring head measuring frequency	1000 Hz
Number of platforms / channels	1
Overload protection (% of [Max])	200%

Approval

CE mark	✓
---------	---

Display

Display type	LCD
Display digit height	18 mm
Screen reversible	✓

Construction

Dimension housing (W×D×H)	195×82×35 mm
Dimensions completely mounted (W×D×H)	195×82×35 mm
Material housing	plastic

KERN FK 50



Robust, digital force gauge for tensile and compressive force measurements

Article number for DAkkS calibration (tensile force/ compressive force)	963-3610
Article number for factory calibration (tensile force)	961-1610
Article number for factory calibration (compressive force)	961-2610
Article number for factory calibration (tensile force/ compressive force)	961-3610

Pictograms

STANDARD



OPTION

