

KERN FM 1K EXT

Universal digital force gauge for tensile and compressive force measurements with external load cell



Article codes, product groups & Status information

Model article-code	FM 1K EXT
Model-Serie	FM
Assortment	Testing & Measuring Devices
Product Type	Force measurement
Product group	Digital force-measuring devices (internal sensor)
Product usage type	Main article
EAN code (Model)	4045761494831
Planned start date	2026-2HJ
Customs tariff number	90248000
CE Label	Yes
Country of Origin	CN

Technical data - Primary

Max. Force	1 kN
Readability	0,5 N

Technical data - Construction

Dimension housing (W×D×H)	71×31×180 mm
Mounting thread	External thread M6
Mounted dimensions	71×31×180 mm

Technical data - Display

Display type	LCD
Display reverse	Yes

Technical data - Power supply

Power supply

Battery type	NiMH
Operating time (Display off)	10 h
Operating time (Display on)	8 h
Protection Class	No protection class
Interfaces	USB-Device
Accumulator charging time	8 h

Technical data - Measuring system

Tolerance (% from Max.)	0,2%
Force direction	Compression;tension
Maximum overload (%)	120%

Technical data - Functions

Peak-Function	Yes
Limit value (Min - Max)	Yes

Technical data - Environmental conditions

Maximum operating temperature	35 °C
Minimum storage temperature	40 °C

Technical data - Packing & Shipping

Dimensions packaging (W×D×H)	263×230×75 mm
Gross weight	2,0 kg
Net weight	0,30 kg
Shipping method	Parcel service

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UN number	Ni-MH (UN 3496, Packing Instruction #0, Not Restricted as per Special Provision A199)
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Net weight	0,28 kg
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Packaging component - by weight - cardboard	1.720 g
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Delivery time	1 d
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Optional Services

DAkkS calibration - push/pull	963-362
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DAkkS calibration - push only	963-262
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DAkkS calibration - pull only	963-162
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Technical data - Counting data

Memory	Yes
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Value memory - number of groups	1
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Value memory - number of cells (per group)	500
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Functions

Standard



Option

