

KERN FL 1K

Universal digital force gauge with graphic-assisted display and integrated load cell

KERN[®]



Article codes, product groups & Status information

Model article-code	FL 1K
Model-Serie	FL
Assortment	Sauter
Product Type	Force measurement
Product group	Digital force-measuring devices (internal sensor)
Product usage type	Main article
EAN code (Model)	4045761138902
Successor Model	FL 1K-2026e
Planned start date	2014-1HJ
Customs tariff number	90248000
CE Label	Yes

Technical data - Primary

Max. Force	1 kN
Readability	0.5 N

Technical data - Construction

Dimension housing (W×D×H)	175×75×30 mm
Material housing	Aluminium
Mounting thread	External thread M6

Technical data - Display

Display type	LCD
Display digit height	8.5 mm
Display reverse	Yes

Technical data - Power supply

Power supply	Battery & Power supply
Battery type	NiMH
Operating time (Display off)	10 h
Operating time (Display on)	8 h
Mains adapter/adaptor included	CH;EURO
Protection Class	No protection class

Technical data - Measuring system

Units	N
Tolerance (% from Max.)	0.2%
Force direction	Compression;tension

Technical data - Functions

Hold-Function	Yes
Peak-Function	Yes
Limit value (Min - Max)	Yes
Interface	Analog (0 +/-2V);RS-232 serienmäßig;USB-Device

Technical data - Environmental conditions

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

Technical data - Packing & Shipping

Dimensions packaging (W×D×H)	260×225×75 mm
Gross weight	1.6 kg

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Net weight	0.55 kg
Shipping method	Parcel service
UN number	Ni-MH (UN 3496, Packing Instruction #0, Not Restricted as per Special Provision A199)
Packaging component - by weight - cardboard	935 g
Delivery time	1 d

Technical data - Counting data

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

Optional Services

DAkkS calibration - push/pull	963-362
DAkkS calibration - push only	963-262
DAkkS calibration - pull only	963-162

Functions

Standard



Option

