

KERN FH 500

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



Article codes, product groups & Status information

Model article-code	FH 500
Model-Serie	FH-S-INT
Assortment	Sauter
Product Type	Force measurement
Product group	Digital force-measuring devices (internal sensor)
Product usage type	Main article
EAN code (Model)	4045761368613
Predecessor Model	FH 500-2019a; FH 500-2023a; FH 500UK
Planned start date	2024-2HJ
Customs tariff number	90248000
CE Label	Yes

Technical data - Primary

Max. Force	500 N
Readability	0.1 N

Technical data - Construction

Dimension housing (W×D×H)	45×25×0 mm
Material housing	Plastic
Mounting thread	External thread M6

Technical data - Display

Display type	LCD
Display reverse	Yes

Technical data - Power supply

Power supply	Battery & Power supply
Battery type	NiMH
Operating time (Display off)	40 h
Operating time (Display on)	24 h

Technical data - Measuring system

Units	N
Tolerance (% from Max.)	0.5%
Force direction	Compression;tension

Technical data - Functions

Statistic-Function	Yes
Limit value (Min - Max)	Yes
Audible ready signal	Yes
Interface	RS-232 standard;USB-Device

Technical data - Environmental conditions

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

Technical data - Packing & Shipping

Dimensions packaging (W×D×H)	330×190×95 mm
Gross weight	1.4 kg
Net weight	0.55 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)

Packaging component - by weight - cardboard

152 g

Packaging component - by weight - styrofoam

405 g

Delivery time

1 d

Technical data - Counting data

Memory

Yes

Value memory - number of groups

1

Value memory - number of cells (per group)

10

Optional Services

DAkkS calibration - push/pull 963-361

DAkkS calibration - push only 963-261

DAkkS calibration - pull only 963-161

Functions

Standard



Option

