KERN FM 50

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



Article codes, product groups & Status information	
Model article-code	FM 50
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)	4045761494879
Predecessor Model	FL 50
Planned start date	2026-2HJ
Customs tariff number	90248000
CE Label	Yes
Country of Origin	CN

Technical data - Primary	
Max. Force	50 N
Readability	0,02 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 & 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	0,95 kg
Net weight	0,35 kg

Shipping method	Parcel service
UN number	Ni-MH (UN 3496, Packing Instruction #0, Not Restricted as per Special Provision A199)
Net weight	0,32 kg
Packaging component - by weight - cardboard	594 g
Delivery time	1 d

Optional Services

DAkkS calibration - push/pull	963-361
DAkkS calibration - push only	963-261
DAkkS calibration - pull only	963-161

Technical data - Counting data

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

Functions

Standard



Option

