# Digital hand grip dynamometer KERN MAP

## **PROFESSIONAL CARE**







# Hand grip dynamometer, e.g. for rehabilitation treatment after accidents

## Features

- Especially suitable for use in rehabilitation centres for determining manual clamping force
- There are four measuring methods, which for example, as part of a rehabilitation program, help the medical staff to monitor the fitness of the patient's hands and carry out controlled training:
- Real time mode: immediately shows the client's current strength
- Peak/Max mode: shows the maximum strength of a client's grip
- Average mode: Calculates the average strength from two grips
- Counting mode: Counts the number of presses which exceed a previously defined strength limit
- Designed to reveal reduced hand strength and the risk of morbidity which results from this, for aging people or to expose malnutrition, for example, during chemotherapy or similar treatments
- Safe, comfortable use thanks to non-slip rubber grips

- Integrated AUTO-OFF function after 1 minute to preserve the batteries
- Result displayed in kg or  $\operatorname{lb}$
- MAP 80K1S: Special version for children: The small handle depth allows children in particular to easily and ergonomically grip the handles
- MAP 130K1: Special version for body builders: Its design and extended measuring range mean that it offers additional capacity, which can accommodate the higher fundamental force exerted by body builders
- Exchangeable springs facilitate fast switching of the capacity (additional spring sets are included with delivery). The varying rigidity of the individual springs makes the hand grip dynamometer ideal for a wide variety of patient groups, e.g. children or senior citizens or in sports medicine
- Z Stable case for safe, easy transport and for storage of the additional spring sets, standard, WxDxH 350x265x85 mm

## Technical data

- · LCD display, digit height 12 mm
- Batteries included, 1 x CR2450, operating time up to 53 h
- Net weight approx. 0.3 kg

STANDARD									
	C			2 <sub>YEARS</sub>					
	UNIT	BATT	1 DAY	WARRANTY					

Model	Measuring range	Readout	Spring sets	Overall dimensions	Price	Opt	ion
				WxDxH	excl. of VAT	ISO Calibr. Certificate	
	[Max]	[d]			ex works	ISO	
KERN	kg	kg	kg	mm	€	KERN	€
MAP 80K1S	80	0,1	10, 20, 40, 80	55x88x212	240,-	961-167	120,-
MAP 80K1	80	0,1	20, 40, 80	55x102x212	235,-	961-167	120,-
MAP 130K1	130	0,1	40, 80, 130	55x102x212	210,-	961-167	120,-

# Digital dynamometers SAUTER FK · FH

#### PROFESSIONAL CARE







# Force measurement for medical applications

#### Features

- Determining muscle function and force is used within many areas of medical diagnostics. Amongst others, in
- orthopaedics for determining the function of the musculoskeletal system
- physiotherapy for restoring motivity
- occupational therapy for treating physical damage
- Within sport, too, measuring muscular force development can be used alongside training
- These measurements can be supported by the SAUTER FK (alternatively SAUTER FH) force gauge when connected with the three physio sensors (AC 45, AC 46, AC 47) as shown
- These sensors to measure muscular strength have been designed in an ergonomic manner. The surface is made of soft foam rubber, which sits comfortably against the skin
- Connecting the precision measuring device with the optional stainless steel handles SAUTER AFK 02 | AFH 04 or the support AFH 21 means that you can obtain reliable weighing results
- Our recommendation: Combine the force measuring device (Sauter FK or FH) with the stainless steel handles (Sauter AFK 02 or AFH 04, depending on the force measuring device selected) or the support (SAUTER AFH 21) and one or more physio sensors (AC 45, AC 46, AC 47)
- · All components can be ordered individually

#### Accessories

- ■ AC 45: Concave force sensor with optimised radius for measurement, particularly of arms and legs, up to 1kN, SAUTER AC 45, € 135,-
- 22 AC 46: Flat square-shaped sensor for lateral power sensing of back, chest or arm, up to 1kN, SAUTER AC 46, € 90,-
- I AC 47: Round sensor to measure particular muscle groups, such as, for example, the shoulder, up to 1kN, SAUTER AC 47, € 95,-
- I Stainless steel handle with plastic coating for force measuring devices
  SAUTER FK: AFK 02, € 85, SAUTER FH: AFH 04, € 85,-
- Support for medical muscular strength measurement, suitable for dynamometers SAUTER FK, FH, SAUTER AFH 21, € 275,-

STANDARD FK						STANDARD FH					OPTION FH
PEAK PUSH/PULL BATT MULTI 1 DAY WARR						PEAK	STATISTIC SWITCH		RS 232	Image: Warrant Image: Warrant   Image: Warrant Image: Warrant	S SOFTWARE
Model	Measuring	Readout	Price		Model	Description	Price		Model	Description	Price
	range	[4]	excl. of VAT				excl. of VAT				excl. of VAT
SAUTER	N	N	€		SAUTER		€		SAUTER		€ WOIKS
FK 50.	50	0,02	250,-						AC 45	Concave force sensor with optimised	135,-
FK 100. 100		0,05	250,-	1		Stainless steel handle bar with	85,-	1		radius for measurement, particularly	
FK 250. 250		0,1	250,-	]	4 AFK 02					of arms and legs	
FK 500.	500	0,2	250,-			rubber grip				Flat aquara abapad appaar for	
FK 1K.	1000	0,5	250,-						AC 46	lateral power sensing e.g.	90
AFH 21 can either be combined with FK or FH					5 AFH 21	Support	350,-			of back, chest or arm	,
FH 50.	50	0,01	460,-	[							
FH 100.	100	0,05	460,-			Stainless steel	85 _		AC 47	Round sensor to measure particular	95 _
FH 200.	FH 200. 200		460,-	4	APH 04	rubber grip	00,-		AC 47	the shoulder	93,-
FH 500.	500	0,1	460,-			0.00					