



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

### Features

- Especially suitable for use in rehabilitation clinics for determining manual clamping force
- There are four measuring methods, for example, as part of a rehabilitation program, help the medical staff to monitor the strength 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
- An ideal device to determine reduced handstrength and a possible mortality risk of elderly persons as well as a malnutrition in case of 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 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
- **1** Exchangeable springs facilitate fast switching of the capacity (additional spring sets are included in 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
- **2** Stable case for safe, easy transport and for storage of the additional spring sets, standard, W×D×H 350×265×85 mm

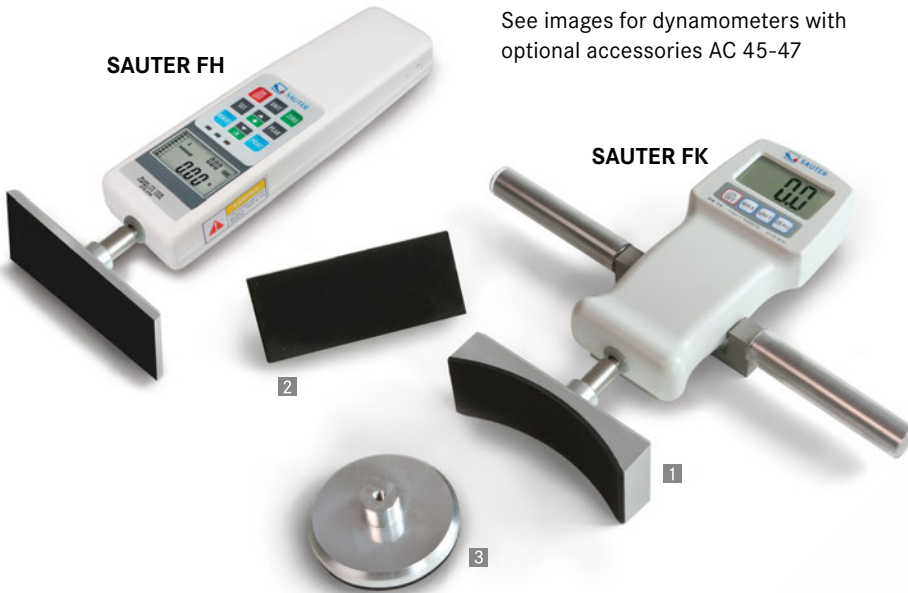
### Technical data

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

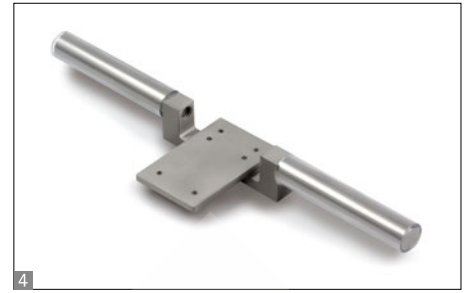
#### STANDARD



Model	Measuring range [Max] kg	Readability [d] kg	Spring sets kg	Overall dimensions W×D×H mm	Option ISO Calibr. Certificate	
					ISO KERN	
<b>MAP 80K1S</b>	80	0,1	10, 20, 40, 80	55×88×212	961-167	
<b>MAP 80K1</b>	80	0,1	20, 40, 80	55×102×212	961-167	
<b>MAP 130K1</b>	130	0,1	40, 80, 130	55×102×212	961-167	



See images for dynamometers with optional accessories AC 45-47

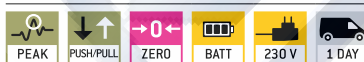


## Force measurement for medical applications

### 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, 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 on the skin
- Connecting the precision measuring device with the optional stainless steel handles SAUTER AFK 02 | AFH 04 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) and one or more physio sensors (AC 45, AC 46, AC 47)
- All components can be ordered individually

#### STANDARD FK



#### STANDARD FH



#### OPTION FH



Model	Measuring range [Max] N	Readability [d] N
SAUTER FK 50	50	0,02
FK 100	100	0,05
FK 250	250	0,1
FK 500	500	0,2
FK 1K	1000	0,5
FH 50	50	0,01
FH 100	100	0,05
FH 200	200	0,1
FH 500	500	0,1

Model	Description
SAUTER 4 AFK 02	Stainless steel handle with plastic coating for force measuring devices SAUTER FK
SAUTER 4 AFH 04	Stainless steel handle with plastic coating for force measuring devices SAUTER FH

Model	Description
SAUTER 1 AC 45	Concave force sensor with optimised radius for measurement, particularly of arms and legs, up to 1kN
SAUTER 2 AC 46	Flat square-shaped sensor for lateral power sensing e.g. of back, chest or arm, up to 1 kN
SAUTER 3 AC 47	Round sensor to measure particular muscle groups, such as, for example, the shoulder, up to 1 kN