

ALGOMETER

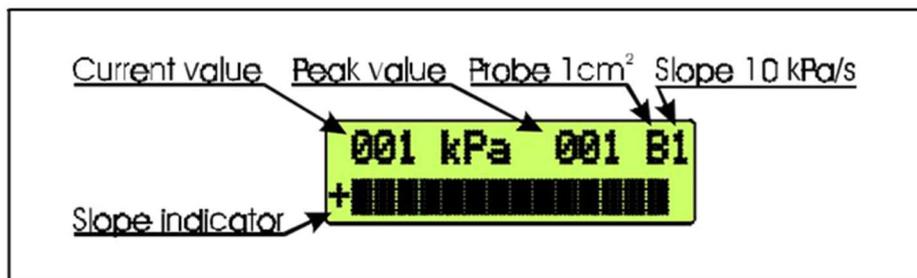
For quantitative palpation of pressure induced pain sensitivity in muscles and connective tissues



To aid in the diagnosis and follow up of pain in muscles and tendons

Independent studies indicate the importance of objective, quantitative, methods to evaluate pain sensibility in patients with fibromyalgia, tension headache and other muscle related problems. Using the Algometer, the effects of physiotherapy, pharmacological treatments and other interventions can be followed and documented for clinical as well as research purposes. For the patient, the objective measurements gives reassurance, confirming their improvement. For the pharmacological study, the quantitative measurement gives the required precision to proper determine and minimize sample size, while providing accurate data.

With the Algometer, pressure levels, required to provoke the sensation of pressure induced pain can be determined. The investigator holds the Algometer against the skin of the patient, instructs the patient to indicate when a certain level of pain is detected, then increases the force of the Algometer against the patient until the patient signals pain. A simple additional tool allows the measurement also of pinch induced pain. Depending on the instructions to the patient, this pain level can be anywhere from sub- to suprathreshold pressure induced pain. Pain thresholds, measured by the Algometer, can be manually memorized, written down or stored in the Algometer.



Algometer display

ALGOMETER FEATURES:

- ◆ Simultaneous display of:
 - Actual pressure.
 - Maximum registered pressure.
 - Actual pressure derivative on a bar-graph
 - Pressure derivative reference
 - Applied probe area.
- ◆ Automatic display of maximum pressure.
- ◆ Storage of up to 100 pressure values including applied probe area and pressure derivative.
- ◆ The memory maintains its content during battery change.
- ◆ 3 different surface area probes included in delivery.
- ◆ Automatic adjustment of pressure reference between 10 kPa/s – 50 kPa/s in 5 steps.
- ◆ Low battery indication.
- ◆ Warning signal and warning text on the display when risk of overload.
- ◆ Automatic power shut off if the Algometer has not been in use for 2 minutes.

TECHNICAL DATA

PHYSICAL

Length x Width x Depth 161*170*30 mm
 Weight 460 g including batteries

FUNCTIONAL

Range probe 0,5 cm² 0-1000 kPa
 probe 1 cm² 0-2000 kPa
 probe 2 cm² 0-4000 kPa
 Accuracy +3% of reading +2
 Maximal pressure see range above

ELECTRICAL

Voltage 6V=
 Current consumption power on <10mA
 Current consumption power off <10uA
 Continuously operating time Battery pack, 1 pcs
 Normal operating time (at. 1h/day) approx. 100 hours
 approx. 5 months
 Somedic part. no. 20-010-0052

INCLUDED ACCESSORIES

Case 1pcs
 Probe 0,5 cm² 1pcs
 Probe 1 cm² 1pcs
 Probe 2 cm² 1pcs
 Battery pack 1pcs
 Pinch handle 1pcs
 Calibration weight 1pcs

OPTIONAL ACCESSORIES

Probe 4 cm²