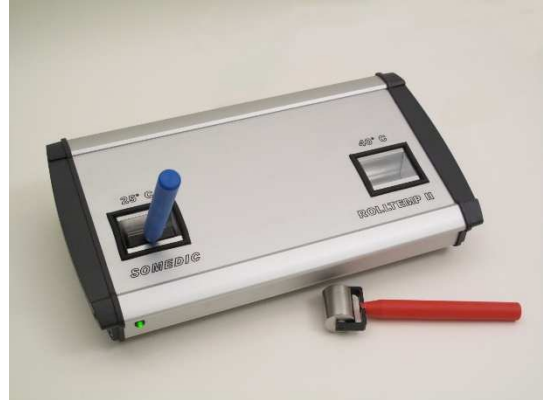


## For quick and easy screening of normal temperature perception

Rolltemp is designed for quick screening of temperature sensibility over large body areas. It uses two rollers on handles, one roller being warm and the other cold. Base units, where the rollers are placed in between investigations, charge the rollers with thermal energy to their predetermined temperature levels, 25 °C and 40 °C. With a normal skin temperature of 32 °C this corresponds to a temperature difference of -7 °C and +8 °C respectively. These temperatures are selected as relevant for screening between normal and abnormal temperature sensibility.



In normal use, the roller is removed from the base unit and rolled over the skin of the patient. The patient then determines the corresponding sensation and areas with normal/abnormal sensibility can rapidly be mapped out.

### Key application

- Quick screening of small fibre dysfunction over large body areas
- Quick examination of level of spinal damage in trauma patients
- Examination of level of spinal anesthesia with respect to C- and A- $\delta$ -fibre mediated sensation.

### Key features

- Fixed thermal stimuli with high accuracy and repeatability
- Defined temperatures are reached within 10 minutes or less

## Technical Specifications

### Intended use

Screening for abnormal temperature sensibility. The stimuli are to be given on the intact skin of the investigated subject, by hand held rollers.

### General information

Functional	Separate stainless steel rollers for investigation of warm (red) and cold (blue) sensation
Stimulation temperature	red = 40°C, blue = 25°C
Materials	Roller: Stainless steel. Roller handle: PVC handle (one blue, one red), stainless steel spring and POM bearings for the roller
	Base unit Case made of aluminium

### Physical characteristics

Main unit	300 x 184 x 68 mm (W x D x H)
Main unit weight	2,2 kg
Handle area	15x125mm
Roller dimensions	Diameter 25mm, Width 34mm, Skin Contact 4,1cm <sup>2</sup> (34*12mm)
Roller weight	0,110 kg
Total roller weight	0,150 kg

### Environmental requirements

Temperature	18 - 27 degrees Celsius
Humidity	30-80% relative humidity, non-condensing

### Electrical requirements

Mains supply voltage	100-240 VAC
Frequency	47-63 Hz
Power	< 60 W