

VARIO

High operating
comfort for the
vestibular examination



otopront®

VARIO

This caloric stimulator has been created for use in clinics as well as in general physician's cabinets. Time consuming aspects of the vestibular examination are speeded up by a high degree of automatization. The rest, count and irrigating period is exactly set and / or can be adjusted by means of the time automatic and operating logic. The exceptional stability of temperature in the water reservoir is rendered possible by use of sophisticated electronic components and the fact that the temperature is measured at several points. Thanks to the newly designed front panel consisting of sated glass the operating field is kept in a hygienic high standard.

What is especially striking is the temperature measuring by means of a highly sensitive PTC element, which is fitted directly in the distal part of the irrigator handpiece. The temperature indicated thus is exactly the temperature of the irrigator liquid which is applied in the test person's ear. The sensor cable of the PTC element is carried in the highly flexible water tube. A closed water system prevents effectively the calcification of the continuous flow heater, keeping the cost of energy low. The general principle of the continuous flow heater, ie: cold water circulating continuously is heated and rejected (therefore strong calcification) has been significantly improved. The closed rotary system only opens in order to reach lower temperatures (from 44° to 30°C) so that heated water can be expelled. Because of the few amount of water rejected, no drain is required, only a little canister is needed. In that case only an installation of water supply is required. Because of the quick coupling system it is no problem to use the Vario at different places. For maintenance and service purposes, the handpiece with the tube can be easily removed without tools (snap closure).

Technical data

Functional principal	Continuous flow heater in a closed rotary system with pump. Temperature measurement PTC tracer in the handpiece in direct contact with the water reservoir.
Linearity range	< 0.1°C / 100°C temperature shown on the light LCD display Resolution: 0.5°C
Temperature control	PTC tracer in the water reservoir max. temperature range < + / - 0.3°C
Water supply	3 / 8" tube Ø 6 mm, with quick coupling system, no lime filter needed.
Water drainage	3 / 8" or open, to be put into a 5 litre canister, with quick coupling system
Irrigator handpiece	Water flow 10-650 ml/ min, adjustable water circulation 800ml/min, installed with quick coupling system, exchangeable without tools. PTC tracer incorporated.
Irrigating period	1-99 sec, freely adjustable with acoustic signal.
Dimensions	320x140x400mm (WxHxD), 10 kg
Power supply	110 -230V, 50 /60 Hz,1100W
CE mark	In accordance with MDD 93/42/EEC



The swiveling display allows you to handle the VARIO from different angles of view

All designs and specifications subject to change without notice.

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