

New and improved  
irrigator head



Precise caloric stimulation with the convenience of air

Controlled - air stream directed with an unobstructed otoscopic head

Fast - stable temperature reached quickly

Safe - designed with electrical and thermal protection

Can be integrated with the computer-based ICS Chartr 200 VNG/ENG systems

LED light source eliminates the need for bulb replacement

## Air Caloric Stimulator

A convenient alternative to caloric stimulation with water, the ICS NCA-200 provides precise caloric stimuli for vestibular testing with speed, safety and low maintenance. With no water to catch during irrigation, the process of irrigating is easier for the clinician and more pleasant for the patient.

### **Precise caloric testing with speed, control and repeatability**

The caloric test forms the key element in the VNG/ENG test battery with the requirement that the stimulus delivered to each ear be exactly the same.

The NCA-200 delivers a continuous flow of air. For precision, the temperature is controlled at the tip of the delivery tube ensuring repeatability of the amount of heat transferred. Only Otometrics offers this feature. The new delivery head provides a full lighted view which enables you to direct the flow of air straight at the tympanic membrane for effective irrigations. This new design reduces the learning curve for clinicians who are used to water irrigators.

# ICS NCA-200

## Convenience

- The new head has an ergonomic design, fitting well in all hand sizes.
- The NCA-200 stabilizes at the desired temperature in less than 60 seconds of start-up. A digital display shows the temperature of the air stream and provides an indication if the temperature of the air being delivered is different from what is expected.
- A button on the delivery head or the footswitch starts timing the stimulation.
- Operate the activation trigger and light from easy to access buttons.
- An auditory beep alerts the clinician when the irrigation can be terminated eliminating the need to watch the timer.
- New disposable specula easily lock onto the inner specula head and can be used for both irrigation as well as easy viewing of the tympanic membrane - saving time as there is no need to swap.

## Accuracy and Safety

- Extended temperature range for better accuracy.
- Air stimulation avoids the dangers of irrigating an ear with a perforated tympanic membrane.
- Over-temperature circuitry disables the NCA-200 if the air is too warm.
- Failsafe circuits protect against the loss of temperature-sensing capability.

## Integration with computer-based ICS Chartr 200 VNG/ENG system

Only Otometrics offers integration of the caloric stimulation function with our computer-based VNG (Videonystagmography) and ENG (electronystagmography) systems. The program remotely selects the required warm or cool temperature. Test initiation simultaneously starts the recording and the caloric stimulus. In addition, remote controls can center the recording (VNG/ENG) or remotely start a digital video recording (VNG).

● Hearing Assessment ● Fitting Systems ● Balance Assessment

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## Technical specifications:

Temperature range:	12° to 50°C
Time to temperature	< 60 seconds
Temperature readout:	Digital
Temperature accuracy:	± 0.3°C
Time range:	1 - 99 seconds
Flow rate range:	4 - 10 LPM
Capability to control	
by computer:	Standard
Input power:	120/240 VAC @ 50/60 Hz 5 A @ 120 VAC, 2.5 A @ 240 VAC (max.)
Safety features:	Primary temperature read-out Separate over-temperature cutoff
Stimulus timing activation:	Switch on delivery head or footswitch
Size (W x D x H):	14 x 17.5 x 7.8 inches 35 x 44 x 20 centimeters
Weight:	43lbs. 20kg.
Specula:	8-62-44100 (pkg-25)



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