

# VNG/ENG

# *“The Chartr Experience”*

## ICS Chartr 200 – The solution for quality care

ICS Chartr 200 provides you with a comprehensive, solution based on years of practical experience. We have worked closely with the leading balance experts to ensure the greatest possible ease of use and the most accurate test results.

In a sleek and portable design, the ICS Chartr 200 handles all traditional vestibular test functionalities and capabilities. It combines the two most important tests, video- and electronystagmography, in a single convenient device. Chose one or both.

- Lightweight full-shield goggles with built-in fixation light
- Proven eye-tracking algorithm eliminating errors due to eye blinks
- Built-in video recorder with playback functionality and quick review
- Portable lightbar for oculomotor tests.
- Integrated ICS irrigator
- Integrated analysis and normative data display with Interpretations Assistant™
- Comprehensive educational support



[www.otometrics.com/chartr200](http://www.otometrics.com/chartr200)

**ICS Chartr 200**

  
**otometrics**  
MADSEN • AURICAL • ICS

# ICS Chartr 200

## Technical Specifications

Interface:	USB to PC
Power supply AC/DC adapter:	Input: 100-240 VAC / 50-60 Hz / 700 mA. Output: 15V DC / 2A
Optional isolation transformer:	115-230 VAC / 10/5 A
<b>System capabilities:</b>	
Inputs VNG:	2 eyes/4 channels; full binocular testing (simultaneous collection of signals from both eyes)
Inputs ENG:	2 or 4 channels
CMR ratio:	>100 dB at 50/60 Hz
Channel Frequency Response:	12dB/octave low pass filter with a cutoff frequency of 35Hz.
Input Impedance:	Channel 1: > 5.5 Mohms Channel 2,3,4: > 8 Mohms
Coupling:	DC response
Resolution:	0.1° typical (horizontal and vertical)
Linearity:	1% full scale horizontal 1.2% full scale vertical
Sampling rate:	Full 60 Hz for all tests
Eye tracking:	± 30° horizontal, ± 30° vertical
Software:	Windows graphical user Interface; high performance analysis software; database storage of test data; sophisticated patient and test data management
Additional capabilities:	See-through for external targets; vision denied for testing in complete darkness
<b>Weight:</b>	
ICS Chartr 200 hardware:	5 lbs 7 oz (2.7 kg)
Light bar:	5 lbs 3 oz (2.38 kg)
Binocular Goggles:	15.2 oz (430 g)
<b>Dimensions:</b>	
ICS Chartr 200 hardware:	1.65 x 13.7 x 11.3" / 4,2 x 34,8 x 28,7 cm
Light bar (with ends closed):	4.63 x 35.75 x 4.75" / 11,8 x 90,8 x 12,1 cm
<b>PC requirements:</b>	
Processor:	Pentium M or Pentium 4
RAM:	Minimum 1 GB RAM
Bus support:	USB 2.0
OS:	Microsoft® XP Professional - Service Pack 2 or Vista® Business
CD drive:	CD-R/W
Display resolution:	Minimum screen resolution of 1024 (horiz) x 768 (vert) at 96 dpi. At large size (120 dpi) setting, minimum resolution is 1280 (horiz) x 960 (vert).
Display color:	32 bit color



## Superior Hardware

- Dedicated hardware assures a smooth stimulus presentation and accurate data collection
- Ranger on the lightbar ensures that the patient is always the right distance from the stimulus providing the clinician with on-going feedback of the patient's position
- Data collection is buffered in hardware giving the computer the freedom to perform real-time analysis of the data without lagging behind or dropping data points
- Integrated ICS irrigators offer ease of use and accuracy through automatic temperature switching

*Otometrics is the world's leading manufacturer of hearing and balance instrumentation and software, providing solutions ranging from infant screening applications and audiological diagnostics to balance testing and hearing instrument fitting.*