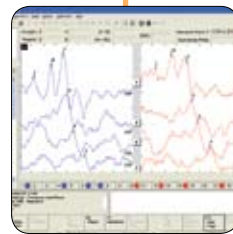
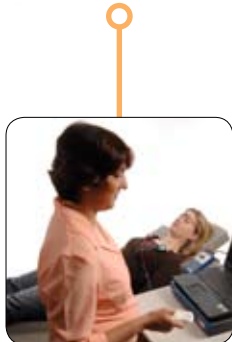


EASY

Comprehensive EP testing



ICS Chartr EP 200

● Hearing Assessment ● Fitting Systems ● Balance Assessment



otometrics
MADSEN · AURICAL · ICS

Auditory Evoked Potential - At its best!

E

Comprehensive test battery

Easy navigation

A

Flexible display options

S

Straightforward waveform analysis

Customized reporting

Y

Timesaving EP/VNG/ENG combo

EP

The ICS Chartr EP 200 builds on the expertise of our ICS Chartr line. Creating smaller, portable systems while maintaining the easy-to-use software interface valued by our customers. New features maintain the user friendliness and assist you in performing any AEP test with ease.

Comprehensive test battery

ICS Chartr EP 200 provides a comprehensive test battery for diagnosing a wide range of auditory and vestibular disorders. Users can create their own protocols or get an immediate start with the pre-loaded ones.

Easy navigation

The software interface ensures a smooth work process. Three easy access tabs make acquiring and reviewing data quick and intuitive. The New Test tab gives direct access to test protocols, the Quick Settings tab gives easy access to protocol parameters and the Review tab gives instant access to all saved data.

Convenience

Remote control

The convenient remote control lets you operate the software from a distance so you can maintain personal contact with your patients.

Preamplifier

Connect all electrode leads and transducers into this small preamplifier. Impedance values are displayed on the preamp screen increasing ease of use.



Flexible display options

The possibilities are endless. ICS Chartr EP 200 allows for display of waveforms on unlimited pages and up to 20 waveforms per page. The ability to create new pages with waveforms using different stimuli or different transducers assists in organizing data for easier analysis and reporting.

Straight forward waveform analysis

Everything needed for waveform analysis is within reach. The interface provides direct access to waveform markers, the Latency Intensity function and normative age specific ABR data. Furthermore, Wave V Interaural Time Delay can be easily calculated and Toneburst data can be displayed on a Pedigram graph.

Customized reporting

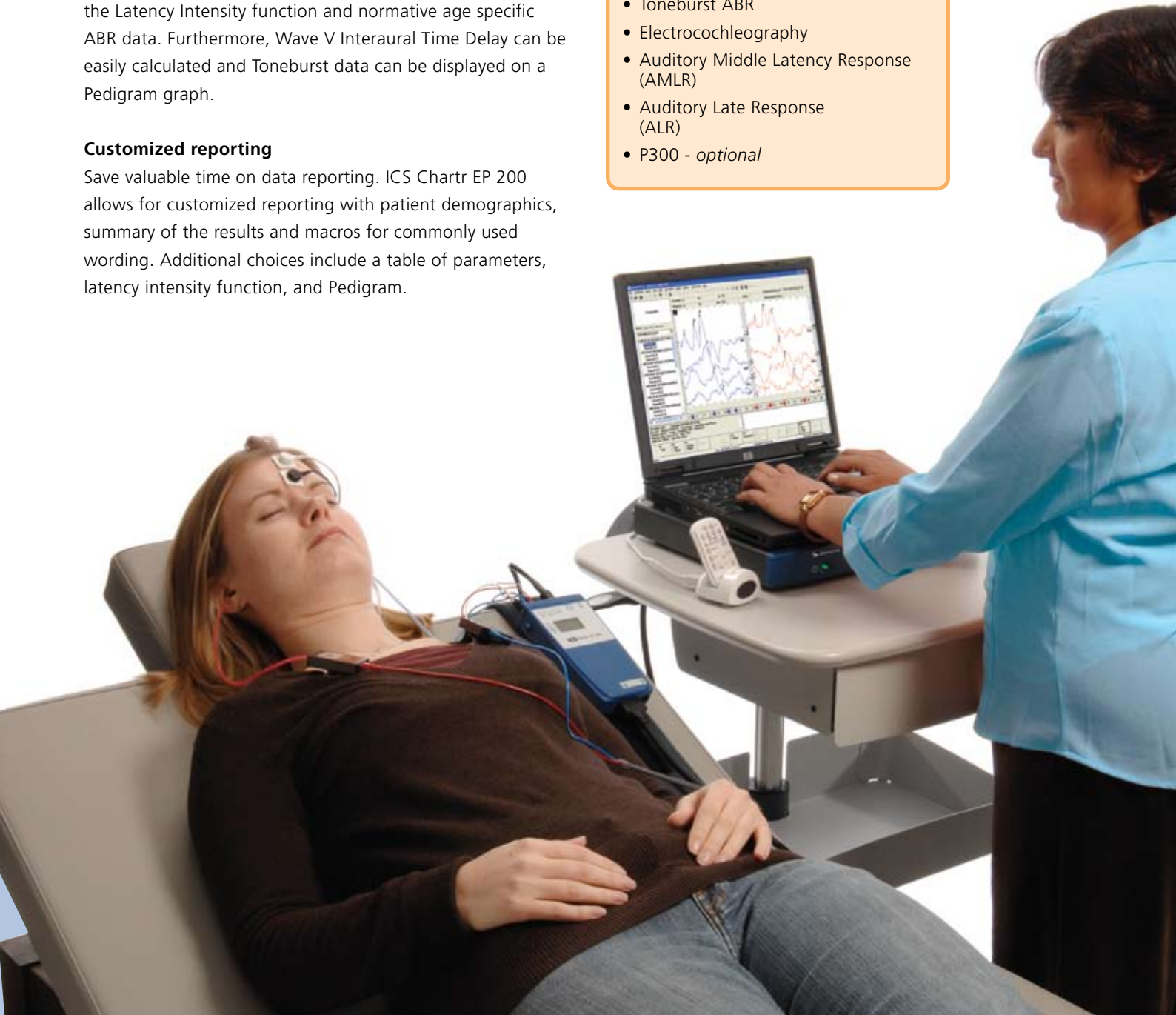
Save valuable time on data reporting. ICS Chartr EP 200 allows for customized reporting with patient demographics, summary of the results and macros for commonly used wording. Additional choices include a table of parameters, latency intensity function, and Pedigram.

Timesaving EP/VNG/ENG combo

The ICS Chartr EP 200 can be combined with Otometrics' successful VNG/ENG system the ICS Chartr 200. Install software from both systems on the same computer and benefit from a complete test battery and a shared database.

ICS Chartr EP 200 at a glance:

- Click Evoked ABR
- Toneburst ABR
- Electrocochleography
- Auditory Middle Latency Response (AMLR)
- Auditory Late Response (ALR)
- P300 - *optional*



ICS Chartr EP 200

Technical specifications:

Acquisition Options

Sweep Time:	5.0 – 9000 msec
Rate:	0.2 to 180/sec
A/D Resolution:	16-bit
Artifact Rejection:	99% full scale (adjustable)
Points per Trace:	600

Channel Options

Channels:	2 channels
Gain:	1k, 1.5k, 2k, 2.5k, 3k, 5k, 7.5k, 10k, 15k, 20k, 25k, 30k, 50k, 75k, 100k, 150k, 200k, 250k, 300k, 500k
High Pass Filter (Hz):	0.2, 0.3, 0.5, 1, 1.5, 2, 5, 10, 20, 30, 50, 100, 150, 200, 500, 1000
Low Pass Filter (Hz):	15, 30, 50, 75, 100, 150, 250, 300, 500, 600, 1k, 1.5k, 2k, 3k, 5k, 10k
Notch Filter:	50 or 60 Hz set by the manufacturer

Stimulus Options

Transducer:	Headphones, Insert Earphones (automatic 0.8msec delay correction), Bone Oscillator (B71)
Stimulus Type:	Click & toneburst
Masking:	White noise
Click Duration:	100 usec
Toneburst Freq (Hz):	125, 250, 500, 1k, 1.5k, 2k, 3k, 4k, 6k, 8k
Toneburst Ramp/Plateau:	User defined (cycles)
Toneburst Envelope:	Linear, Hanning, Blackman, Gaussian
Intensity:	132 dB pe SPL; user definable nHL
Polarity:	Rarefaction, condensation, alternating
Calibration Reference:	Calibration table in dB SPL with a user definable normal hearing threshold table in nHL

Chartr EP 200 Dimensions/Weight

Chartr EP 200 main unit:	4.9cm x 34.2cm x 28.7cm (2" x 13.6" x 11.3") – 2.7kg (5 lbs 7oz)
Chartr EP 200 Preamp:	3cm x 9.9cm x 16.4cm (1.19" x 3.88" x 6.44") – .27kg (9.5oz)
Interface:	USB to PC
Power Supply:	15V DC/2A
Safety:	Chartr EP 200 was designed to meet these standards EN 60601-1, Class II, Type BF, IPX0 UL 2601-1 CAN/CSA-C22.2 No 601.1-90

Computer Minimum Requirements:

Processor:	Pentium M or Pentium 4
RAM:	Minimum 512 MB available 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.

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

● Hearing Assessment ● Fitting Systems ● Balance Assessment

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www.otometrics.com

Easy access to educational support

Users of ICS Chartr equipment can benefit from the best training and support in the industry. Our educational programs ensure that users will benefit from the best legacy in the profession including:

- In-depth equipment training
- Ongoing customer support
- Classroom and on-line education (regional)
- Our well-respected, "Insights in Practice"
- Demo patient data assists in learning process



As a leading player we are committed to helping you improve practice workflow and enhance your patient care. Otometrics is providing a variety of educational activities worldwide every year.

You'll find more inspiration when you visit www.otometrics.com/resources

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