

AEVS? for the Physically Disabled Voter

The physically disabled voter has a number of ways to vote using the Precise® AEVS® system using a variety of peripheral options.

Wheelchair-bound individuals can cast votes simply by touching the LCD screen ballot. The height of the AEVS® will be optimized for either a standing or seated individual based on the Precise Voting® table height that the AEVS® is placed on. The unit allows a forward or a parallel approach by a person using a wheelchair for easy access to the unit.

The disabled voter places their wheelchair to the front of the AEVS® unit. The poll worker provides the peripherals as needed which include:

HeadMouse® - HeadMouse® Extreme uses an infra-red (IR) camera to track head movement. The voter places a tiny flexible and paper thin reflector tab on their forehead which the infrared signal from the HeadMouse® Extreme device will record. This tab (or sticker) then reflects light back to the HeadMouse® Extreme, which sends instructions to the unit to move freely throughout the ballot and make selections.

Less than an inch of head movement is more than enough to move the cursor across the entire screen. This is also adjustable in the software's "speed" settings. The device usually sits about 2 feet away from the voter's head. Thus there is at least a foot and a half of free "head space" in which to move that simple inch.

Sip/Puff - The Origin Instruments Corporation Sip/Puff Switch is a head mounted accessory used to actuate a two position switch by a simple sip or puff. The padded head referenced design affords comfort and convenience. The disposable mouthpiece includes an in-line aseptic filter to enable hygienic, worry free access by a succession of users.

Each disposable mouthpiece is enclosed in a sealed package that includes a pair of latex free gloves and an instruction sheet. The mouthpiece design and packaging eliminates sanitary concerns while retaining sip/puff convenience, accuracy and reliability.

Button Click Switch - The button click is another option provided to the disabled voter who has limited use of his or her arms. The voter simply applies a small amount of pressure to the button to activate his or her choice.

