

A green waveform graphic, resembling an ECG or neural signal, is positioned at the top left of the page, extending horizontally across the top of the document.

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FOR IMMEDIATE RELEASE

Plexon Inc Launches 2nd Generation, 8-Channel Analog Headstage with Variations

DALLAS, TEXAS -- (February 12, 2015) - Plexon Inc, the leader in advanced hardware and software solutions for neuroscience research, announced today the launch of the HST/8o25 GEN 2 headstage, a new and improved 8 channel, analog headstage for use with high impedance electrodes. Compared to its predecessor, this second generation headstage incorporates improved input overvoltage protection, even lower photosensitivity and a better method for mounting LED sockets.

Headstages are small, head mounted preamplifiers commonly used in the study of neural activity during neurophysiology experiments. They are manufactured to a wide variety of specifications and are an important part of neural recording apparatus. The HST/8o25 GEN 2 headstage is a 0.025" pitch, unity gain headstage available with either a true or grounded reference and in either a nine or ten input pin configuration. It can also be equipped with one or two LEDs for tracking movement. Without the optional LED mounting sockets, the headstage measures 16.3 x 11.8 x 1.5mm (length x width x depth) and weighs less than half a gram.

One improvement in this model includes the addition of series input resistance to protect against overvoltage, specifically 12.5V over the positive power supply or below the negative supply. Researchers requiring long headstage cables will appreciate the added series resistance to the amplifier outputs to reduce the likelihood of amplifier oscillations. A second ground pad has been added, now offering ground pads on both corners near the connector plug, and an improved design decreases photosensitivity.

Plexon documentation refers to the 9-pin, HST/8o25 GEN 2 headstage as Headstage C2, and the 10-pin configuration as D2. All related documents including the *Headstage Technical Guide*, *Headstage Tester Unit Guide*, *Headstage Data Sheet*, *Headstage Cable Data Sheet* and *Connector Data Sheet* have been revised to reflect the updated information. For more information, visit www.plexon.com.

About Plexon Inc

Plexon is a pioneer and leading innovator of custom, high performance data acquisition, behavior and analysis solutions specifically designed for scientific research. We collaborate with and supply thousands of customers including the most prestigious neuroscience laboratories around the globe driving new frontiers in areas including basic science, brain-machine interfaces (BMI), neurodegenerative diseases, addictive behaviors and neuroprosthetics. Plexon offers integrated solutions for *in vivo* neurophysiology, optogenetics and behavioral research -- backed by its industry-leading commitment to quality and customer support. www.plexon.com.