

Surface EMG

Experience the forefront of muscle activity data collection and analysis with Biometrics Ltd's Surface EMG sensors. Built upon years of rigorous research, the sensors ensure precision tailored to the high demands of research settings. Choose between the reliability of the **Wired Surface EMG Sensor** or the reliability and unparalleled flexibility of the **DataLITE Wireless Surface EMG Sensor**.

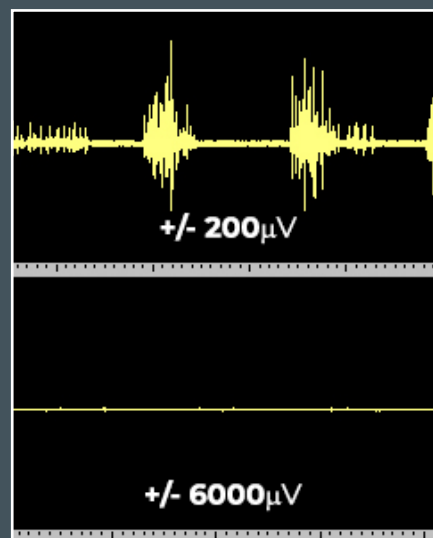


Our DataLITE wireless sensor is equipped with cutting-edge frequency hopping, error detection, and data recovery algorithms. This ensures seamless muscle activity readings even in dynamic environments and boasts a connectivity range of up to **30 meters**. The wireless sensor offers adjustable bandwidths, ranging from **10Hz to 250Hz** through to **10Hz to 5000Hz**, and enhanced sensitivity with settings from **+/- 60µV to +/- 6000µV**. For adjustable inter-electrode distances, both our wireless and wired amplifier sensors are compatible with any SEMG electrode with a 4mm snap, accommodating inter-electrode distances up to **170mm**.

biometricsltd.com/emg

SPECIFICATIONS

Dimensions	42 x 24 x 14 mm (wireless) 37 x 20 x 6 mm (wired)	Contact Diameter	10 mm
Mass	17 g (wireless) 5 g (wired, excluding cable and plug)	Contact Center Spacing	20 mm
Bandwidth	10 - 250, 470, 950, 5000Hz (wireless) 20 - 460 Hz (wired)	Full Scale	Variable ±60µV - ±6000µV Peak to Peak
Accuracy	+/- 1.5% (wireless) +/- 2% full scale	Noise	< 5µV
Range from Interface	30 m (wireless) 1.25 m cable (wired)	Compatible Interfaces	DataLITE PIONEER, ADVANCE, EXPLORE (wireless) DataLOG, DataLINK, Amplifier (wired)



To discuss your requirements, please contact us:

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