

# Decagon Devices, Inc. Product Market Information Sheet

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**Product:** Decagon MPS-6 Dielectric Water Potential Sensor

**Description:** Soil sensor which continuously measures both water potential and soil temperature. Water potential is measured using frequency domain technology, while temperature is measured using a thermistor in thermal contact with the sensor. Sensor requires 2-5 VDC and has a digital output. A stereo plug on the sensor allows the sensor to plug into a Decagon Em50 Data logger.

The MPS-6 contains patented technology (patented by Decagon Devices, Inc.) for monitoring water potential using frequency domain technology. The patent covers the ability of the sensor to accurately monitor water potential in a variety of soil types and soil salinities. The sensor is, by design, accurate and rugged at a price that allows researchers to easily characterize spatial variability.

**Distributors of Product:** Decagon is the sole distributor of the MPS-6 in the USA to universities and other research institutions.

**Competitors with similar products:** none known