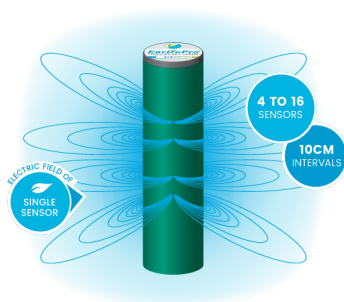
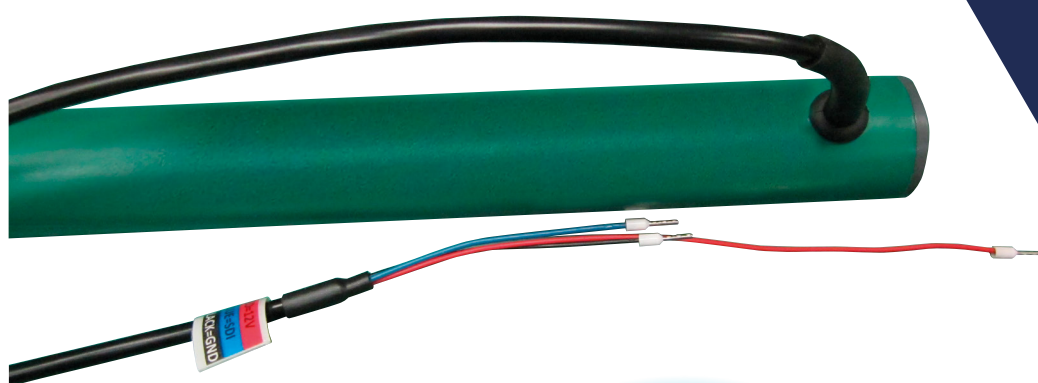


6513G

SDI-12 SOIL MOISTURE, TEMPERATURE AND SALINITY/ EC PROBE



MODEL G



6513G Soil Probes are precision multi-function and multi-level sub-surface soil sensors offering continuous reliable and repeatable monitoring of soil moisture, temperature and optional salinity (EC). They have been designed to provide accurate and consistent data by utilising advanced temperature and salinity compensation techniques, enabling better farming practices like better crop selection, meaningful irrigation and fertiliser decision-making.

The sensors inside the probe are spaced at 10cm intervals and probes can be ordered as a set of four, eight, twelve or sixteen sensors. All probes report soil moisture and temperature, however, even though all probes utilise salinity compensation, only pro-models output salinity/EC metrics.

6513G sensors are uniquely designed to have a large field of influence which provides more meaningful measurements of the local soil. The field of influence refers to the size of the electric field emitted by a sensor, and ultimately determines the volume of the soil that it can measure. A larger field of influence means a greater sample size, minimising the effect that slurry, objects, roots and air pockets have on readings.

6513G soil probes are long-life instruments that are fully encapsulated to ensure maximum immunity to environmental degradation and are backed up by 5-year warranty. Furthermore, each probe is individually calibrated in the factory, so they do not need to be re-calibrated in the field. This assures a lifetime sensor to sensor and probe to probe repeatability.

When used with a companion Unidata IP data logger, collected data is transmitted to a central Neon server where data can be viewed on the Neon Web server in near real-time from any browser. Same data can be reported to other systems using email, ftp, and web services.

SPECIFICATIONS

PHYSICAL SPECIFICATIONS	
MATERIAL:	IP68
SIZE:	Diameter 34.5mm
LENGTH:	40cm (4 sensor), 80cm (8 sensor), 120cm (12 sensor), 160cm (16 sensor)

ELECTRICAL SPECIFICATIONS	
EXTERNAL POWER:	7V-16VDC
I/O:	SDI-12 V1.3 Compliant
CABLE:	5m