

Tech Note

Solo Soil Moisture Probe and Pressure Sensor

The EnviroPro Soil Moisture Probe and a 0–100 PSI line pressure sensor can be connected to a single Solo unit using this cable harness.

Application

This cable harness allows a Solo field unit to be easily connected to both an EnviroPro soil moisture sensor and a 4–20 mA, analog line-pressure sensor. With this combination, irrigation events can easily be correlated to soil moisture profiles via Observant Global. See additional information in the EnviroPro Soil Moisture Probe for Solo tech note. This cable harness is compatible with Observant-supplied EnviroPro probes and OsiSense pressure sensors.

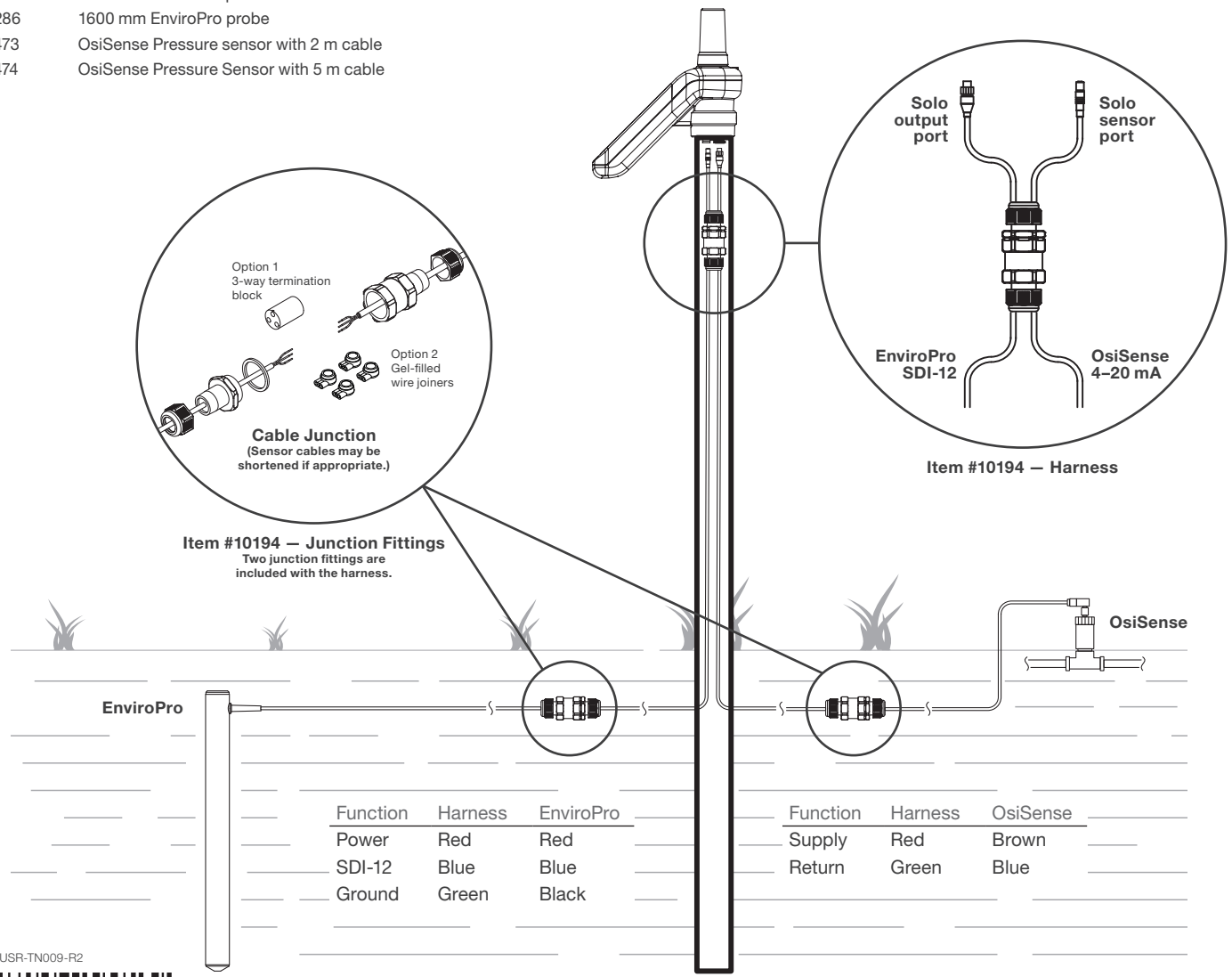
Ordering

Item #	Description
10194	Solo SDI-12 and 4–20 mA cable harness with junction hardware
01282	400 mm EnviroPro probe
01238	800 mm EnviroPro probe
01285	1200 mm EnviroPro probe
01286	1600 mm EnviroPro probe
01473	OsiSense Pressure sensor with 2 m cable
01474	OsiSense Pressure Sensor with 5 m cable

Installation

The cable harness includes two connectors designed to mate with the appropriate ports on the Solo to support both sensors. At the other end the harness splits into two bare-ended cables — one connecting to the OsiSense, the other connecting to the EnviroPro. Connections to both sensors can be made using the weatherproof inline junction boxes with either the gel-filled wire splice connectors or a 3-way terminal block. The overall length of the harness is 30 ft (10 m). If a shorter cable run is appropriate for your installation, the sensor cables can be shortened as required. Ensure all junction hardware is tightened sufficiently to prevent water ingress. Protect all cabling that would otherwise be exposed to weather by burial or within appropriate conduit.

Please note that the default software configuration of the EnviroPro in Observant Global must be changed to select *high-power output 1* for the supply output in order for the combination to operate correctly.



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