Pressure
Transducer

PRODUCT MANUAL

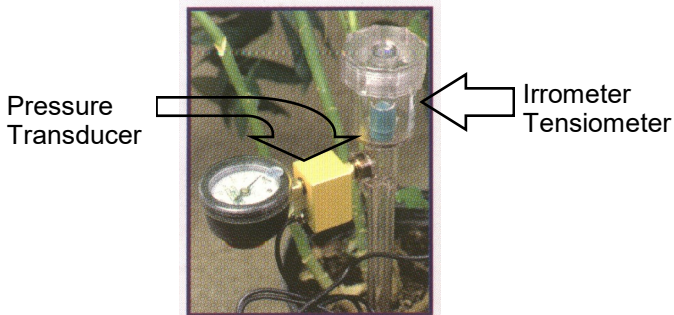Item 3669

Spectrum®
Technologies, Inc.

Thank You

Thank you for purchasing a Pressure Transducer to use with your WatchDog Data Logger in conjunction with an Irrometer Tensiometer to log soil moisture. This manual will aid you in placing and mounting of the Pressure Transducer. Read it thoroughly to ensure proper and effective use.

General Overview

The Pressure Transducer includes a 6 foot cable that is plugged into an available external sensor port on a WatchDog data logger or weather station. Once the Tensiometer (with the Pressure Transducer installed) has been positioned at the desired sensor depth, connect the cable to the WatchDog external channel to log soil moisture data.

Place the Irrometer Tensiometer in an area which is appropriate for monitoring the conditions in which the plant is experiencing. Contact your cooperative extension agricultural agent for further suggestions. Refer to the **Irrometer Tensiometer Instructions** for complete details.

Use **SpecWare** software to program the WatchDog to log soil moisture. Refer to the **SpecWare User Guide** for detailed launch and/or readout instructions.
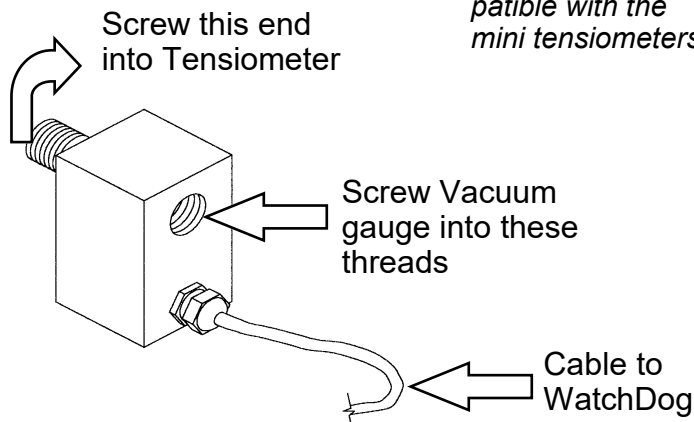
Installation

The Pressure Transducer includes a 6 foot cable that is plugged into an available external port on an original WatchDog data logger, WatchDog micro-station, WatchDog mini-station, or WatchDog full weather station. To install the transducer:

1) Remove vacuum gauge from Irrometer Tensiometer with a 9/16" wrench.
2) Apply thread sealant and screw the transducerinto the Irrometer Tensiometer. Tighten with a wrench.
3) Use a thread sealant on fittings. Screw the vacuum gauge into the transducer. The gauge should be facing up.
4) Prepare the Tensiometer for field installation as per IRROMETER'S instructions.

Note: The thread size for the transducer is not compatible with the mini tensiometers

Screw this end into Tensiometer

Screw Vacuum gauge into these threads

Cable to WatchDog

Specifications

Accuracy	± 2%
Resolution	
1000 Series	0.097 kPa
2000 Series	0.025 kPa

Warranty

This product is warranted to be free from defects in material or workmanship for 1 year from the date of purchase. During the warranty period Spectrum will, at its option, either repair or replace products that prove to be defective. This warranty is void if the Spectrum products have been damaged by customer error or negligence or if there has been an unauthorized modification.

Returning Products to Spectrum

Before returning a failed unit, you must obtain a Returned Goods Authorization (RGA) number from Spectrum. You must ship the product(s), properly packaged against further damage, back to Spectrum (at your expense) with the RGA number marked clearly on the outside of the package. Spectrum is not responsible for any package that is returned without a valid RGA number or for the loss of the package by any shipping company.

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