

INSTALLATION AND OPERATING INSTRUCTIONS

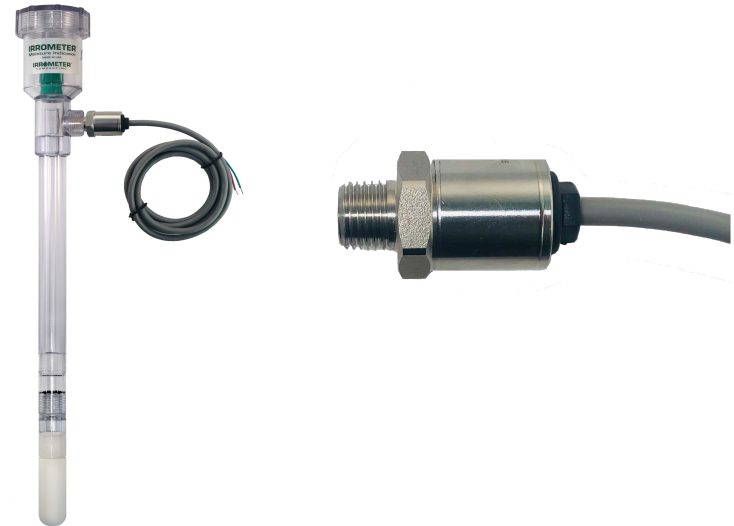
IRROMETER®
Model RSU-C

RSU-C – Remote Sensing Tensiometer

— CAUTION —

Do Not Install by Hand

You must use a 15/16" wrench (24mm) for the transducer.



WARRANTY: The IRROMETER COMPANY warrants its products against defective workmanship or materials under normal use for one year from date of purchase. Defective parts will be replaced at no charge for either labor or parts if returned to the manufacturer during the warranty period. The seller's or manufacturer's only obligation shall be to replace the defective part and neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use of or inability to use the product. This warranty does not protect against abuse, shipping damage, neglect, tampering or vandalism, freezing or other damage whether intentionally or inadvertently caused by the user.

The **IRROMETER RSU-C** is a pressure transducer sealed in a stainless steel housing, which converts the 0 to 100 kPa tension reading from the instrument into a 4-20mA current output. Any device which can read a 4-20mA sensor and can supply between 9 and 36VDC can read the RSU-C.

For devices which cannot read a current loop but can read a voltage, the RSU-V is available with a 0.5 to 4.5V output.

The calibration for the RSU-C is: $(\text{mA measured} - 4) / 0.16 = \text{kPa}$

Note: Two wire insulated cable (suitable for direct burial) should be used to connect RSU-C to Electronic Reading Device – #18 AWG size (standard preferred)

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IRROMETER®

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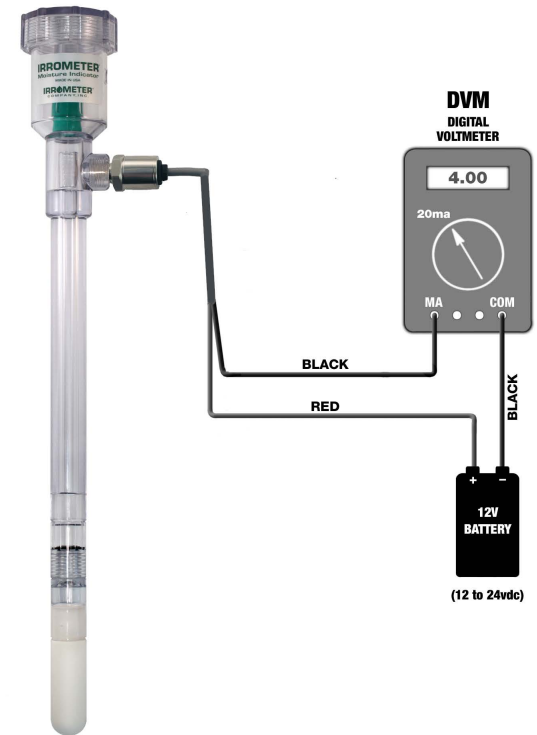


— WARNING —

Do Not use water containing chlorine or sulfur (distilled preferred) or cleaners containing chlorine or sulfur with the RSU-C.

When de-airing the transducer equipped IRROMETER (Model RSU-C) care must be taken to release the vacuum slowly. A sudden release of the vacuum could cause damage to the pressure transducer, rendering the instrument inoperable. Transducers damaged by sudden release of the vacuum are unrepairable and would require complete replacement of the entire transducer assembly.

Reading the RSU-C with a Digital Meter



VACUUM	RSU-C (Standard Instruments)
0 kPa	The DVM shows 4mA
50 kPa	The DVM shows 12mA
100 kPa	The DVM shows 20mA