

# RWS

**TRAMEX**  
Quality you can depend on

## ROOF & WALL MOISTURE SCANNER

Multi-mode moisture scanner for non-destructive moisture detection and leak tracing in the building envelope.

- ✓ Built-Up Roofing
- ✓ Non-Conductive Single Ply Roofing
- ✓ Modified and Spray Foam Roofing Systems
- ✓ Exterior Insulation and Finishing Systems (EIFS).



The RWS incorporates two of Tramex' well-known moisture scanners, the Leak Seeker for Roofing and the Wet Wall Detector for EIFS to give all the benefits and features of both of these time-proven instruments.

The Tramex RWS has dual operating modes for Roofing and EIFS / Foam insulations systems. Each of these modes has 2 ranges of sensitivity for both deep and shallow penetration, enabling the scanning of Roofing, EIFS and Foam insulations with a maximum depth of signal penetration to approximately 4".

The RWS is designed and manufactured by Tramex Ltd. who have been producing a range of moisture detection and scanning instruments since 1980.

- ✓ For non-destructive moisture evaluation of Roofs, EIFS, Foam insulation systems & other Building envelope applications.
- ✓ For tracing leaks through the waterproofing membrane back to the source.
- ✓ Fast and easy to operate.
- ✓ Instant clear readings.
- ✓ "Hold" function facilitates ease of recording readings.
- ✓ Lightweight, hand-held and battery operated.
- ✓ Inexpensive to purchase and operate compared to other non-destructive testing methods.

[www.tramexltd.com](http://www.tramexltd.com)

## ● The Problems of Excess Moisture in the Building

By visual inspection, locating excess moisture and decay in or behind EIFS or Roofing Systems can be extremely difficult as normal evidence of this moisture and decay may not be visible on either side of the wall or roof. Excess moisture can be hidden and trapped in the substrate and within the thickness of the wall or roof construction. If these conditions are allowed to continue the moisture will increase, eventually leading to rot and decay and possible failure of the system and the structure. Also wet insulation loses its thermal value, resulting in unnecessary heat loss or gain and thermal movement in the structure. Early detection of wet areas and corrective remedial action makes good economic sense.

## ● How does the RWS Scanner Work?

The Tramex RWS is an electronic hand-held Moisture Scanner and Detector working on the principle of electrical impedance. With impedance measurement, harmless signals are transmitted from the electrodes at the base of the instrument deep into the thickness of the area under test. These signals measure the change in electrical impedance which is translated into a relative moisture content reading and instantly displayed on the clear large analog dial. Readings are instant and continuous. The RWS is also fitted with an audible device that increases in frequency at high readings. The RWS gives vital information necessary to evaluate and carry out moisture assessment on the condition of most fiber-reinforced EIFS wall cladding systems, roofing systems such as built up, non-conductive single ply, modified and foam roofing, at an affordable cost and without complications.

## ● The Fast Non-Destructive Way to Detect Excess Moisture.

For EIFS, the Tramex RWS has been especially developed to aid in the detection, location and tracing of excess moisture within the weatherproofing coatings or coverings, and deep into the insulation and substrate to detect excess moisture in the sheathing and the wood studding of EIFS systems. For Roofing it will detect interply moisture, excess moisture in the insulation material and moisture in nonconductive roof systems.



Also available  
RWS Inspection Kit

## SPECIFICATION

<b>Dimensions:</b>	125 mm x 275 mm x 75 mm
<b>Weight:</b>	1,8 kg (4lbs)
<b>Power Supply:</b>	One 9 volt battery
<b>Sensitivity:</b>	Four ranges: Roofing Mode with high and low sensitivity. EIFS / Foam Roof Insulations Mode with high and low sensitivity.
<b>Accessories:</b>	Leather carrying case. Telescopic handle for use on roofing only.
<b>Limitations:</b>	Roofing: EPDM, Butyl rubber roofing and other conductive roofing. EIFS: Hard Coat Stucco, wire lath or wire mesh reinforced finishes.

The RWS is available in Inspection Kit form for Moisture Detection and Evaluation of EIFS and Roofing systems and substrate.

**RWS Kit contains:** RWS, Aluminum telescopic handle (for use on roofing only), Professional Pin type resistance meter with built-in pins, Hand held electrode with 7" insulated pins, IR Surface Thermometer and Digital Hygrometer in rugged foam-lined carrying case.

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