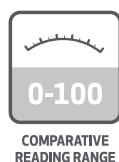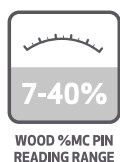# BUILDING SURVEY MASTER KIT

A complete kit featuring the RWS Roof & Wall Scanner for instant, non-destructive evaluation of moisture conditions deep within wall and roofing systems. The Building Survey Master Kit features the multifunctional Tramex MRH3 digital moisture meter allowing for non-invasive testing of moisture conditions in numerous building materials such as drywall, wood, plaster, brick, ceramic tiles, resilient flooring, laminates and roofing. The MRH III and reusable Ambient Relative Humidity Hygro-i2 Short Probe allow for testing relative humidity, temperature and dew point in the environment. When used in conjunction with the infrared surface thermometer, detrimental condensation conditions conducive to microbial growth can also be identified. The heavy-duty pin-probes measure moisture content in wood, and the insulated 7.8" pins allow for deep wall cavity probing. Concrete slab relative humidity testing to ASTM F2170 can also be performed with reusable relative humidity Hygro-i2 probes and hole liners(optional).

Product Code: BSMK5.1

KIT CONTENTS

1. RWS - Roof and Wall Scanner.
2. MRH III – moisture and humidity meter.
3. Ambient Relative Humidity Hygro-i2 Short Probe.
4. Heavy-duty pin-type wood probe.
5. Infrared thermometer.
6. 7.8" insulated pins for in-depth penetration using pin probe.
7. Hole Punch.
8. 8 x Ambient RH Probe Hole Liners.

NON-DESTRUCTIVE

AMBIENT RH, T, DP, gr/lb

7-40% WOOD %MC PIN READING RANGE

0-100 COMPARATIVE READING RANGE

SPECIFICATIONS

ROOF AND WALL SCANNER - RWS - SPECIFICATIONS & MEASURING RANGE

The Tramex RWS Roof and Wall Scanner is a multi-mode non-invasive impedance scanner designed for the instant, precise and non-destructive evaluation of moisture conditions and leak tracing in roofing per ASTM D7954 and in wall systems of the building envelope.

Size:	4.9" x 10.8" x 2.9" (125mm x 275mm x 75mm)	Depth of penetration:	4" (100mm)
Weight:	1.88lbs (853g)	Sensitivity:	
Construction:	ABS Body	Four Ranges:	
Power:	9 volt PP3 Battery (included)	Roofing Mode with high and low sensitivity.	
Display:	Analog	EIFS / Foam Roof Insulation Mode with high and low sensitivity.	

MRH III - SPECIFICATIONS & MEASURING RANGE

The Tramex MRH III Moisture and Humidity Meter is a hand-held digital moisture meter calibrated for most building materials. It also attaches to an optional plug-in Tramex Hygro-i2 ® relative humidity probe and heavy-duty pin type electrodes. Suitable for many industries including Water Damage Restoration, Flooring, Indoor Air Quality, Home Inspection and Pest Control.

Size:	6" x 3.5" x 1.5" (150mm x 85mm x 38mm)	Reference scale for building materials:	0 to 100
Weight:	240g (8.47oz)	Relative Humidity	0 → 99%
Construction:	ABS Body	(with optional Hygro-i2 ® probe):	
Power:	9 volt PP3 (included)	Wood Non-invasive Mode (at SG of 0.3):	5 to 55% MC
Display:	Digital	Wood Invasive Mode:	7 to 40%MC
Depth of penetration in concrete:	up to 1¼"(30mm)	(with optional wood pin probes)	

SPECIFICATIONS

INFRARED THERMOMETER - IRT2 - SPECIFICATIONS & MEASURING RANGE

The IRT2 is a handheld, dual laser, non-contact Infrared Thermometer with 12:1 distance to spot ratio and audible and visible high/low set point alarms. It is used to measure and display surface temperatures within the range of -58ºF to 1202ºF (-50ºC to 650ºC) and has an accuracy of approxi-mately 1 to 1.5% (see Specifications for details). The IRT2 has a fast response time (0.15 sec) and is powered with a 9V battery and complies with Class II UK/EU laser safety standard EN60285.

Temperature range:	-58ºF ~ 1202ºF (-50 to 650 ºC)
Distance to Spot ratio:	D:S = 12:1
Accuracy for targets assuming ambient operating temperature of 73 to 77ºF (23 to 25 ºC):	
	-58ºF ~ 68ºF (-50 ~ 20ºC) ±4.5ºF(2.5ºC)
	68ºF ~572ºF (20ºC ~300ºC) ±1.0% ±1.8ºF (1.0ºC)
	572ºF ~ 1202ºF (300ºC ~650ºC) ±1.5%
Emissivity:	Digitally adjustable from 0.10 to 1.0
Power supply:	9V battery, NEDA 1604A or IEC 6LR61, or equivalent.

KIT SPECIFICATIONS

Size:	19.2" x 14.9" x 5.7" (487mm x 380mm x 145mm)	Weight:	9.9lbs (4.51kg)
Power:	3 x 9 volt PP3 Batteries (included)		