moisture Skipper meter

NON-DESTRUCTIVE MOISTURE DETECTOR FOR BOATS

Used by:

- Boat owners
- Designers
- Marinas
- Surveyors
- Boat yards
- Brokers

The Skipper non-destructive moisture meter provides a complete, safe method for detecting excess moisture in GRP and wooden boats. Three scales of sensitivity allow moisture detection in fresh or salt water.

- Identify the presence of osmosis in fiberglass hulls
- Confirm if wooden boats are dry before painting or varnishing
- Check if racing boats are carrying excess moisture weight
- Trace deck and bulkhead leaks

Osmosis in GRP

Osmosis, also known as Gelcoat Blistering, is found in GRP boats when moisture soaks into the hull surface, collects between the glass fibre / plastic laminate and causes surface blistering of the gelcoat.
Usually found below the waterline, Osmosis dramatically increases boat weight while reducing structural strength of the hull.
The Skipper Moisture Meter is used for:

- Early detection before blistering appears
- Identifying extent of affected area
- Monitoring hull during de-humidification
- Checking stripped areas prior to re-coating

Control weight in racing craft

It is important that the weight of a racing yacht is kept to the minumum in order to maximise boat speed. Therefore, thorough drying out is essential before paint or antifouling is applied and the boat returned to the water.

The Skipper Moisture Meter can be used to monitor the hull until optimimum dryness has been achieved.

Moisture in wood

To achieve a lasting finish on painted or varnished wood it is essential to ensure new or stripped wood is dry and, if overpainting, that no moisture is trapped beneath existing paint.

The Skipper Moisture Meter can be moved across the surface or along planks to survey the boat in a fast but thorough manner. It can also be used below decks to help trace bulkhead or deck leaks.

How it works

- The Skipper moisture meter detects moisture in wood or GRP (Glass Reinforced Plastic) by measuring the resistance between two low frequency AC signals transmitted from the soft rubber electrodes on the base of the instrument.
- Because salt water is more conductive than fresh water, the Skipper is fitted with different ranges of sensitivity to allow testing of wood or GRP in either fresh or salt water environments.
- Simply select the correct scale:

Scale 1: Moisture in wood in fresh water or GRP in saltwater
Scale 2: Moisture in GRP in freshwater
Scale 3: Moisture in wood in saltwater

Testing for moisture

Hold the Skipper to the surface or slide it across large areas to detect the presence of moisture. The soft rubber electrodes will not scratch or damage even the most highly glossed finish. Readings are taken directly from the analog dial and an audio signal sounds when excess moisture is encountered.

Technical Data

1. Measuring method: non-destructive signal resistance
2. Measurement frequency: 5-25 KHZ depending on range used.
3. Electrodes: co-planar conductive rubber.
4. Dimensions: 150 x 80 x 30 mm (6 x 3.2 x 1.2 inches).
5. Weight: 260 grams (9 ounces) including battery.
6. Battery: 9 volts PP3 or equivalent.

GUARANTEE

All products carry a full satisfaction guarantee including a one year warranty against defects in parts & workmanship, and a refund if the unit is returned in new condition within 30 days of original delivery. Proof of purchase is necessary.

TESTING

All instruments are rigorously tested before shipment to ensure long life under rough conditions.

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