

# ***DRI-EAZ***

## **Owner's Manual – HydroSensor**

**DRI-EAZ PRODUCTS, INC.**

15180 Josh Wilson Road, Burlington, WA USA 98233

Fax: (360) 757-7950 Phone US: (360) 757-7776 www.dri-eaz.com

*The HydroSensor is a moisture probe used to detect moisture in wet carpet and carpet cushion.*

### **Read And Save These Instructions**



#### **SAFETY INFORMATION**

The nickel plated points on the HydroSensor are extremely sharp. Take care when collapsing the telescoping tubes, to avoid the points extending by accident. This could cause injury. Retract the probe points into the shaft when not in use.

#### **PRINCIPLE OF OPERATION**

The HydroSensor Moisture Probe is designed to detect moisture in carpets, cushion, floors, walls, and furniture. When the probe tips on the HydroSensor are pushed into materials to penetrate the surface, an electric current is sent between the probes. The amount of moisture present in the material determines how easily the electrical current passes from one probe to the other.

When moisture is present in a material, the light on the HydroSensor will flash and the transducer will beep. This will occur at a varying rate (slower or faster flash and beep) depending on the amount of moisture present.

The 7/8" probe tips are long enough to penetrate shag carpets, cushion, and flooring materials. With care, the HydroSensor can also be used to find moisture in furniture, walls, and ceiling materials.

The HydroSensor will also detect the presence of urine residues in carpet and cushion. This is because urine salts attract and hold enough moisture to be detected. A black-light is recommended to confirm that urine is present.

#### **MODELS**

##### **Both Models**

1. To expose the sensor points, loosen the black plastic knob. Push it down and around the "S," then tighten to lock in position.
2. Test the unit by placing your fingers across the shaft of the points and observing the response of the unit.
3. Probe the suspected moisture area with the points. Flashing and beeping indicates that carpet and/or pad are wet.

##### **HydroSensor**

The HydroSensor has a single, non-telescoping shaft.

##### **HydroSensor II**

The HydroSensor II has a 2-part telescoping shaft.

1. To extend the HydroSensor II, grasp the smallest tube and pull until the spring button pops into place.
2. Follow the directions above to extend the sensor points.
3. Do not exert too much force when using. Excess force may damage the tips or telescoping tubes.

#### **SPECIFICATIONS**

|                   |  |
|-------------------|--|
| HydroSensor       | 1-piece stainless steel shaft<br>31"                                     |
| HydroSensor II    | 2-piece telescoping stainless steel shaft<br>31" extended; 20" collapsed |
| Probe tips - 7/8" | Nickel plated steel  |
| Handle            | Injection molded   |
| Indicator light   | LED in handle  |
| Weight            | 1 lb.  |
| Battery           | One 9-Volt DC (included)   |

#### **MAINTENANCE**

Clean and dry the HydroSensor after each use.

##### **Battery Replacement**

The HydroSensor is operates on the current from one 9-volt battery. Battery life depends on usage and storage care. Do not allow probe tips to stay in contact with metal, damp cloth, carpet, water, cork or any other materials that will conduct electricity. The battery is contained inside the handle below the indicator light.

1. Remove the small screws which hold the handle halves together, and gently split apart the handle.
2. Remove the old battery from its connectors and replace with a new Eveready general-purpose 9-volt battery No. 216 (or comparable).
3. Reinsert battery into handle, taking care not to pinch any wires.

4. Align the holes of the handle halves and replace the screws. Do not over-tighten screws.

Note: Probe tips may be sharpened with a file. If points need replacement because of excessive wear, contact Dri-Eaz Products for a replacement HydroSensor Point Set Kit.

## **Other Moisture Detection Tools**

### **WetChec 4**

The WetChec4 is a moisture probe similar in operation to the HydroSensor, since it beeps when its probes contact moisture or urine. It is an inexpensive marketing tool that contractors give to customers on their restorative drying jobs, insurance adjusters, property managers, and other clients.

### **Moisture Counter Non-Destructive Meter**

Use the Moisture Counter for quick measurements when doing preliminary inspection to determine if moisture is present. The Moisture Counter allows you to rapidly evaluate where moisture is a problem without penetrating the material's surface. It also helps you to be positive when materials are completely dry and returned to original condition.

### **Moisture PRO Penetrating Meter**

The Moisture PRO is a hand-held penetrating instrument designed to very accurately measure moisture content in wood, drywall and other porous building materials. It is portable, battery powered and pocket sized, incorporating the latest electronics in a durable yet lightweight aluminum housing. The Moisture PRO digital LCD gives moisture readings in wood from 7% to 42% in 0.1% increments. A choice of interchangeable electrodes is available including a shallow penetration, hammer type and deep wall type.

**FOR PARTS AND SERVICE CALL YOUR LOCAL DISTRIBUTOR,  
or the Dri-Eaz Service Department at (360) 757-7776.**