



Moisture Register Products

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MODEL 9XDC PAINTERS MOISTURE METER

OPERATING INSTRUCTIONS

FUNCTION: The **Model 9XDC** is designed to measure the moisture in Plaster (Dry Wall) and Wood before painting. Even when using water based paints, it is critical for proper paint performance to be sure the material is at the correct moisture content before painting.

The **Model 9XDC** can also be used to locate moisture pockets associated with Dry-rot and Termites. The Wood moisture scale can be used for grading of construction lumber in the 12% to 28% range.

DESCRIPTION: The **Model 9XDC** uses the proven principle of DC Resistance to measure moisture. Considerable research has been done by the U.S. Forest Products Laboratories in correlating DC Resistance to Wood moisture content. The instrument employs a state-of-the-art Micro-Controller Unit to accurately measure the resistance across the Probe Pins. A comparison is then made between the resistance and a programmed moisture content look-up table which results in the correct indicating LED to be lit.

The **Model 9XDC** operates on a single 9.0 Volt transistor battery. To prevent incorrect measurements, a low battery voltage indication is programmed into the instrument.

No adjustments are necessary with the advanced, self-compensating circuitry used in this instrument.

OPERATION: To use the **Model 9XDC**, turn the Switch to ON. The left LED will blink.

Some or all of the LED's may light up on power-up others will be off.

To test, simply push both the Probe Pins into the Wood or Plaster (Dry Wall) surface to be painted. One of the red LEDs will show the moisture or painting quality of the material to be painted. Turn Switch OFF after testing.

GREEN	=	O.K. TO PAINT
YELLOW	=	MOIST
RED	=	TOO WET TO PAINT

The numbers on the scale are the moisture content in percent.

LED INDICATIONS: In addition to direct indication, the LED's are programmed to show other operating conditions;

- | | |
|-------------------|--------------------------------|
| 1) Left Blinking | Switch ON - Moisture below 11% |
| 2) Left Steady | Moisture between 11% and 13% |
| 3) Other LED lit: | Moisture as indicated |
| 4) Right Blinking | Moisture is 29% or above |
| 5) Right Steady | Battery Low |

BATTERY REPLACEMENT: To replace the battery, unscrew the four screws on the reverse side of the instrument. Disconnect the battery connector. When connecting the new battery be careful to match the connector snaps correctly. If the snaps are touched backwards, the new battery will be rapidly discharged, reducing the battery life. Best service life will be obtained with an alkaline type battery. Do not over-tighten screws when replacing them.

Do not leave the battery in the instrument if it is to be stored for a period over six (6) months. Do not leave the Switch ON after using the instrument. The blinking LED will alert you to turn it OFF.

SERVICE: The **Model 9XDC** has been constructed to heavy wall durable plastic for long life under rugged conditions. Probe Pins are easily replaced by unscrewing the Pin clamp nuts. Should any electronic service be required, the instrument should be returned to the manufacturer, as specialized test equipment is necessary to assure proper calibration verification after repair.

WARRANTY: The **Model 9XDC** is warranted for a period of twelve (12) months from the date of shipment against failures in materials or workmanship. We reserve the right to either repair or replace the defective components or materials. We make no other warranty, express or implied, and any warranty of merchantability or fitness for a particular purpose that exceeds the foregoing is hereby disclaimed and excluded. If the product is being acquired for resale, Buyer will make, in connection with any such resale, only those warranties contained herein and will indemnify us against any claims, causes of action, and judgments which arise from any representations, warranties, or agreements made by or entered into the Buyer, other than those contained herein.

Rev	E.O.	Description	Part Number	Date
A	31673	Manual	552226	6/96
B	32350	New Warranty	552226	11/06