OmniPro
M18-500 Restoration Multi-Meter Hygrometer

This is a multi-function meter, with temperature and humidity detection, infrared temperature measurement, laser ranging, wood humidity measurement (probes and touch), flashlights, laser distance meter (including sf and cf calculations and data recording and other functions. It is a powerful and versatile instrument for measuring and diagnosing humidity of building and building materials.

- **Quickly indicates the moisture content of materials with pinless technology without damaging the surface; optional remote pin-type probe allows for moisture reading at different penetration levels (3ft./0.9m cable length)**

- **Designed with patented IR design to measure non-contact surface temperature; 8:1 distance to spot ratio with 0.95 fixed emissivity**

- **Built-in humidity/temperature probe measures relative humidity, air temperature plus grains per pound (GPP) and dew point (DP)**

- **Automatic calculation of differential temperature (IR - DP)**

M18-500

Specifications

Item	Description
1633-6529	OmniPro M18-500 Restoration Multi-Meter

Moisture Meter Specifications

Function	Range	Repeatability
Moisture in Wood	6-40% 41-99%	±5% ±5%
Moisture in Building Materials	13-99%	±5%

Humidity Meter Specifications

Function	Range	Accuracy (of reading)
rH Measurement 10-50°C (50-122°F)	0-99.9%	±2%
Air Temperature	4 to 158°F (-20 to 70°C)	±0.5%C/0.9°F

Laser Distance Function

Range	0.12mm to 50m (.0047 in. to 164 ft.)
Measurement of accuracy (2σ, standard deviation)	Typical value: ±2mm (.079 in.)
Laser Safety Standard	Class II
Laser Type	650 nm, <1mW
Display Minimum	1mm (.039in.)

IR Temperature Specifications

IR TEMP. Range	-20° to 200°C (-4 to 392°F)
Emissivity	Fixed for .95
Optical Resolution	D/S = 8:1 (D=distance, S=spot)
Accuracy (of reading)	-20° to -1°C (-4 to 31 F) ±5°C (9°F)
	0°C (32°F) ±1°C (1.8°F)
	1 to 200°C (33° to 392°F) ±2% ±2°C (3.6°F)