

M18-400 Multi-Function Moisture Meter

This meter is a series of moisture/humidity meters with built-in infrared (IR) temperature sensing. It is a powerful and versatile instrument for measuring and diagnosing dampness in buildings and building materials.

- ▶ **Quickly indicates the moisture content of materials with pinless technology without damaging the surface; remote pin-type probe allows for moisture reading at different penetration levels (3ft./0.9m cable length)**
- ▶ **Easy-to-read, large dual display with backlit feature**
- ▶ **Simultaneously displays moisture of wood or material being tested and air temperature, IR temperature, or humidity**
- ▶ **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)**
- ▶ **Min/Max and Data Hold**
- ▶ **Auto power off and low battery indication**
- ▶ **Memory function**

| Item | Description |
|-----------|---|
| 1631-6527 | OmniPro M18-400 Multi-Function Moisture Meter |
| 1632-6528 | OmniPro M18-410 Accessory Kit & Case |

1631-6527



SPECIFICATIONS

Humidity 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 70C) | ±0.5°C/0.9°F) |

Moisture Meter Specifications

| Function | Range | Repeatability |
|-------------------|---------|---------------|
| Pinless Moisture | 0-99.9% | ±5% |
| Ext. Pin Moisture | 0-99.9% | ±5% |

IR Temperature Specifications

| | | |
|-----------------------|---------------------------------|-----------------|
| IR TEMP. Range | -20° to 200°C (-4 to 392°F) | |
| Emissivity | fixed for 0.95 | |
| Optical Resolution | D/S = 8:1 (D=distance, S=spot) | |
| Accuracy (of reading) | -20° to -1°C 9 (-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) |



1632-6528