

UNIVERSAL MOISTURE METER HYGROPEN



APPLICATION

Moisture Meter HYGROPEN is a universal, state-of-the-art, electronic device for measuring moisture contents in wood, building materials and also air humidity and temperature. It is particularly useful for:

- wood moisture contents measurements,
- measurements of moisture contents in plywood (parquet) and concrete floors,
- evaluation of moisture contents in buildings,
- evaluation of atmospheric conditions (air humidity and temperature).

Despite its small size the device provides results of very high accuracy. This is achieved by the usage of a special microprocessor and high quality humidity and temperature sensors. The device is very user friendly. The measurement of wood moisture contents includes wood type and temperature compensation.

TECHNICAL DATA

Wood moisture contents

Range	6% - 60%
Number of wood types	3 groups (12 types + 270 exotic types)
Temperature compensation	0°C - 50°C (32°F - 122°F)
Accuracy	±1% (6% - 15%) ±2% (16% - 28%) approx. measurement (over 28%)
Resolution	0.1%

Dew point temperature

Range	-9°C - 50°C
Accuracy	±1°C

Power

Battery	12V (type 23A)
Battery life	2000 measure.
Auto power off	yes, after 5 min.
Low power indication	yes

Size 160 x 27 x 15 mm

Air humidity

Range	0% - 100% RH
Accuracy (in 20°C)	±2% (20% - 85%) ±3% (remaining parts of range)
Sensor	capacitance (HUMIREL)
Resolution	0.5% RH

Air temperature

Range	-5°C - 50°C (23°F - 122°F)
Accuracy	±1°C (±2°F)
Sensor	resistance (HUMIREL)
Resolution	0.5°C (0.5°F)

Building materials moisture contents

Range	depends on material
Accuracy	approximate measurement

Guarantee 12 months

EXAMPLES OF APPLICATION

Wood moisture contents



Humidity and air temperature



Concrete moisture contents



Plaster moisture contents

