

*Wireless Transmitters and Receivers*

*Outstanding measuring technology is the heart of Lignomat's Wireless System*



**Wireless Data Logging System**

Experience and know-how guarantee top performance.

The wireless system from Lignomat allow uninterrupted data acquisition of moisture, temperature and humidity measurements: MC, T and RH. Data reports can be viewed on site or practically anywhere in the world.

**Proven Technology**

Lignomat is one of the industry leaders in measuring the moisture in wood accurately and reliably. This knowledge was combined with the latest wireless technology to develop Lignomat's transmitters and receivers.

Lignomat customers have used wireless transmitters to measure and control wood moisture and humidity inside lumber dry kilns and pre-dryers for the last 14 years.

We developed state-of-the-art relative humidity probes, which can be connected to the transmitters. We also developed combination transmitters. All available transmitters are listed on the next page 19.

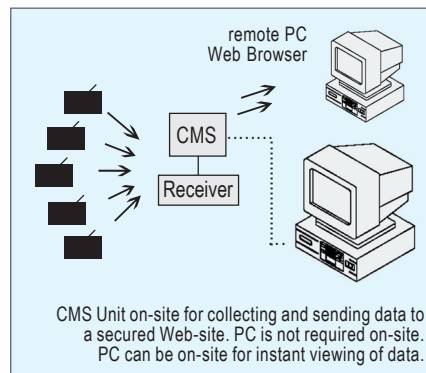
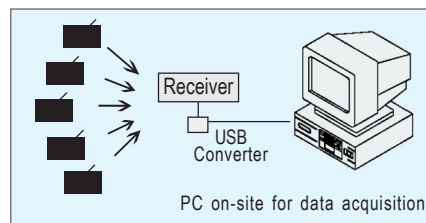
**Flexibility**

- For moisture measurements: Teflon-coated probes from 1/4" up to 7".
- For humidity measurements: RH BluePeg probes, which can be placed in wall cavities, concrete slabs and inside or outside of buildings.

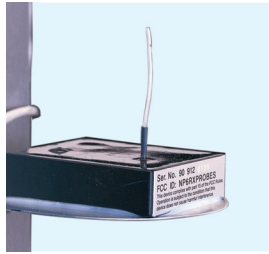
**Applications include:**

- Lumber Drying MC and EMC all types of kilns incl. vacuum, conventional and pre-dryers
- Recording ambient conditions in manufacturing and storage areas
- Internal Temp. - Heat Treatments
- Concrete Moisture Measurement
- Water Damage Repair
- Building Surveillance
- Great for Laboratory Testing

*Ask for a quote!*

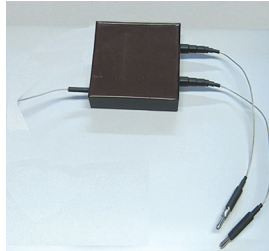


*MC, T, RH Transmitters for virtually any application and material.*



**Receiver**

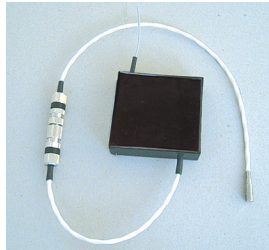
The receiver collects measurements from up to 100 transmitters. Any combination of different transmitters can be send to one receiver. The receiver sends all measurements to the PC or the CMS unit. To extend the range, receivers can be daisy-chained.



**Transmitter MC:**

Outstanding accuracy for the entire measuring range. Teflon-coated probes or stainless steel screws can be embedded in wood, drywall or other materials and connected to the transmitter with a short cable for moisture readings in %.

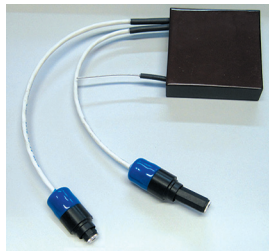
If required, extension cables are available.



**Transmitter TE:**

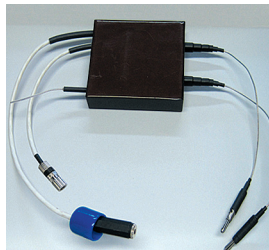
A highly accurate stainless steel probe is used for measuring temperature either on the surface or inside the material.

TE Transmitters are often used in the kiln industry for required documentation of heat treatment before exporting lumber. (Phytosanitation Heat Treatment).



**Transmitter RH/T - single or double:**

- The Transmitter RH/T comes with one cable connection for one RH BluePeg Probe
- The Transmitter 2 RH/T is more economical for multi-transmitter systems and comes with two cable connections for two RH BluePeg Probes.



**Combo Transmitter MC-TE-RH/T:**

- One transmitter measures it all:
- moisture in wood, drywall or other materials
  - surface and exterior temperature
  - relative humidity and air moisture

Other standard combinations:

- Transmitter MC-TE**
- Transmitter MC-RH/T**

**SPECIFICATIONS**

Housing: Size 2.75"x2.75"x 0.75". Air and watertight, totally sealed off from the environment.

MC/TE transmitters are rated for temperatures between -20 to 185°F.

Measuring Range: 2% to 99% at 70°F for wood, 0.1% to 22% for sheetrock

RH/T transmitters are rated for temperatures between 0 to 160°F.

RH BluePeg Probe: RH: ±2% for 10 to 90%, ±3% for 0 to 10% and above 90%

Temp: ±0.5°F for 32 to 120°F, ±1°F between 5 to 32°F and 120 to 160°F

Size: 1.75" long and 0.5" diameter

Operating Range: Up to 1000 ft line of sight.

If necessary receivers can be daisy-chained to extend range.