

How does the HFM II work ?

Just pop the probe into the bale. As soon as sufficient material is applied to the probe tip, the measured value is displayed.

Does the measuring process have to be started with a keystroke?

No, the HFM II automatically and continuously displays the current humidity level. Already during the insertion into a bale, the moisture measured at the probe tip is continuously displayed. This allows a quick measurement at different points in the bale or the quick control of a large number of bales.

Can the moisture already be measured in the swath?

In the swath itself, the material is not in a condensed form. You can, however, squeeze the hay or straw into a bucket and use the HFM II to pierce the bucket to measure the moisture. In an emergency, a part of the swath can be twisted together and stung into the material so compacted. However, the accuracy may be lower with these procedures.

Can the HFM II measure humidity in a haystack?

Yes, if the material in the haystack is sufficiently compacted, a measurement can be made. In this case, it is recommended to use the variants with a probe length of 1 m or 2.7 m. In practice, the haystack is more likely to be monitored by temperature measurements. The HFM II is also suitable for this.

Does the device need to be calibrated?

No, the HFM II is properly calibrated at the factory and does not need to be recalibrated.

How accurate is the HFM II hay and straw moisture meter?

The resolution of the device is 0.1%, the accuracy in practical use at +/- 0.8% points. This accuracy can only be guaranteed in the range up to 20% humidity. In the higher humidity range, the deviations can be greater.

Which power supply does the HFM II have?

The device is powered by a 9 V block battery. Due to the low power consumption, the battery lasts for many thousands of measurements.

Does the lance need to be cleaned?

The lance and the tip are made of stainless steel and do not normally pollute.

Is there a risk of breaking off the lance or the tip?

No, with the HFM II, the stainless steel tube of the lance goes through the housing and through the handle and is firmly screwed to the end cap. This prevents damage to the lance during normal use. The tip is also designed to withstand use in extremely hard bales.

Can the HFM II be used to determine moisture in silage bales?

Basically yes, the HFM II measures moisture content up to 70%. Values over 50% are displayed with the note "H". This hint means that it can lead to very large inaccuracies. Due to the strongly fluctuating

moisture contents within a round bales and the increasing inaccuracy of a fast-determining device at higher humidities can be made in practice only a rough assessment of the moisture status of a silage bale.

Can the HFM II be used to determine moisture in wood chips or sawdust?

The HFM II normally displays a moisture level for all materials. However, the measuring method and design are optimized for the properties of hay and straw bales. Values measured in other materials may differ greatly from the actual moisture content, but may be interpreted by yourself. Even if the absolute measurement is wrong, it may be used for an individual assessment.

How does temperature measurement work with the HFM II hay and straw moisture meter?

Switch the device into the temperature mode and push the probe into the desired position in the bale. When reading the temperature, wait until the displayed value does not change. The HFM II has a highly sensitive temperature sensor that quickly adjusts to the material.

Can the HFM II measure the temperature in bulk materials such as grain?

Yes, the temperature can be measured in all materials that the probe can be inserted into.

Further questions?

We are also happy to answer any further questions write to: info@itsensor.it or contact us by our web site: [contact us](#)