Hay/Straw/Silage Temperature Compensation

The term "commodity" will be used generically throughout this document referring to the commodity you are testing: Hay, Straw or Silage.

For the most accurate moisture results you must properly measure the commodities internal temperature. Since no other portable moisture tester has this patent pending feature to automatically adjust the moisture reading depending on the commodity temperature (which improves moisture accuracy) the importance of this warrants further explanation.

After power up, if moisture is displayed and you press the yellow test button (to test moisture) you will be prompted to first apply your commodity's internal temperature (e.g. the inside bale temperature). It also displays the temperature prompt for the first moisture test after bale type is changed.

When the _Temperature_ prompt is displayed you'll have four options:
Measure Now, Use Memory, Set, and Use Previous

Explanation for each temperature option:
Measure Now – _Select this if you've not previously tested the commodities temperature or want to retest and measure it now. After you select "measure now" you'll push the probe into the commodity, wait until the temperature stops changing, and press enter (green button) after it stops changing. This takes a while depending on the moisture and the difference between the commodity and probe temperatures._
Use Memory – _Select this if you've already used the temperature feature in the main power up display to store a temperature into memory and want to use it for the commodity temperature._
Set – _Select this if you've already measured the commodity temperature, remember it, and want to manually use the up/down buttons to set the tester to that commodity temperature. This will likely be used rarely._
Use Previous – _Select this if you've previously used the "Measure Now", "Use Memory", or "set" feature and are testing the same commodity and you have previously applied a temperature._

Note: "Measure now" and "Use Previous" will be the two most common options used. An option won't display if it's not applicable. That is, "use previous" won't display if you have not yet saved a previous temperature with "measure now", "Use Memory", or "set".

Note: Most commodities harvested at the same time, from the same field, and stored in the same way will typically have a similar internal temperature so there may be no need to measure or adjust the temperature for each bale so the previous or saved temperature should suffice.

If you are testing commodities weeks later and suspect the internal temperature has changed then you can use the "Measure Now" to determine the correct temperature to apply for temperature compensation. Any mention of temperature in this document pertains to the commodity temperature, not the air temperature outside the commodity.