6. Calibration curves

Calibration curve	Calibration curve	Compressed density	Measuring range
Straw	Straw bales	100 to 130 kg/m³	8.5 % - 30 %
Hay	Hay bales	100 to 130 kg/m³	8.5% - 25%
Reference	! Only for testing the moisture meter !		

» A divergent compressed density may lead to deviations in the measuring result.

6.1 How moisture is defined

The device measures and shows the material moisture content. The moisture content readings are calculated in relation to the material's overall mass:

$$\%WG = \frac{M_n - M_t}{M_n} \times 100$$

M_n: Mass of the sample with average moisture content

M_t: Mass of the sample with zero moisture content

%WG: Moisture content (in accordance with EN ISO 18134-2)

6.2 Selecting the calibration curve

If you are not sure which calibration curve is the best suited for your material, it is recommended to carry out a reference measurement by kiln-drying (EN ISO 18134-2).

Schaller GmbH will be happy to advise you on the selection of the right calibration curve for special hay and straw types.

The insertion direction for both round and rectangle bales is from the face side of the bale as shown on the following figures. Measurements taken from any other direction may lead to incorrect readings.