6. Product types

The device provides the corresponding calibration curves:

6.1 Calibration curves of the insertion probe

Product name	Product type	Measuring range
Woodchips	Standard wood chips	10 % - 50 %
Recycling wood	Wood chips made of waste wood	10 % - 40 %
Sawdust	Sawdust	10 % - 40 %
Recycling material	Standard recycling material	10 % - 40 %
1 Recycling special	Recycling material with a high plastic content	10 % - 40 %
2 Recycling special	Recycling material with a very high plastic content	10 % - 40 %
3 Recycling special	Recycling material with a high cellulose content	10 % - 40 %
4 Recycling special	Recycling material with a very high cellulose content	10 % - 40 %
Print media mixed	1.10 magazines or newspaper, mixed	7 % - 37 %
Mixed print shavings	2.03 white paper chips with less print	7 % - 37 %
Cardboard loose	4.02 used kraft corrugated board	7 % - 37 %
Kraft paper loose	4.06 used kraftliner or kraftboard, natural or white coloured	7 % - 37 %
Digit	For special products	0 - 100
Empty 1	Free curve for special products	
Empty 2	Free curve for special products	
Test block	! Only for testing the moisture meter !	

The calibration curves 1 Recycling special and 2 Recycling special include the possibility of a thin water film on the plastic pieces, if the plastic content is high. The calibration curves 3 Recycling special and 4 Recycling special include the moisture expansion by a high content of cellulose.

6.2 Selecting a calibration curve

Due to the different compositions of recycling material there is no standardised allocation of calibration curves. The different calibration curves refer to the different contents of plastic and cellulose in the material.

To ensure the best accuracy of your measurement you have to carry out a comparison measurement using your online moisture measuring system or by kiln-drying (according to DIN 18134-2) once.

- Measure the water content of your recycling material using all calibration curves that offer realistic results and write down the measuring results of the different calibration curves.
- Now please note the effective water content determined by your online measurement system or carry out a reference measurement according to EN ISO 18134-2.
- Compare the determined reference water content with the measuring results of the different calibration curves. Use the calibration curve with the measuring result nearest to the reference water content.

6.3 How moisture is defined

In the standard delivery state, 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)