

6. Product types

The following product types are available

Product type	Pulp type	Measuring range
1 long fiber pulp 1	Long fiber pulp from sulfate and sulfite process	8%-40% WC
2 long fiber pulp 2		7%-40% WC
3 long fiber pulp 3	Pulp with a predominantly long fiber content	7%-40% WC
4 long fiber pulp 4		6%-40% WC
5 short fiber pulp 1	Short fiber pulp from sulfate and sulfite process	8%-40% WC
6 short fiber pulp 2		7%-40% WC
7 short fiber pulp 3	Pulp with a predominantly short fiber content	7%-40% WC
8 short fiber pulp 4		6%-40% WC
9 free 1	Free product types within the measuring range of the short fiber product types for customers' products	5%-30% WC
10 free 2		5%-30% WC
11 free 3	Free product types within the measuring range of the long fiber product types for customers' products	9%-45% WC
12 free 4		9%-45% WC
Digit	Special products and for creating a product type	0,0-100
Test block	! Only to check your humimeter PMZ with the optional test block !	

6.1 Selecting the product type

As a result of the numerous pulp types and their composition and production processes, there is no standardised product type classification. The fiber type is the main factor for the different product types of the humimeter PMZ.

The product type overview provides suggestions for pulp types based on the fiber types used.

For mixed fiber pulp, choose a product type which corresponds to the greater percentage of the fiber.

Example:

80% Hardwood (short fiber) & 20% Softwood (long fiber) use one of the types short fiber pulp 1-4

80% Softwood (long fiber) & 20% Hardwood (short fiber) use one of the types long fiber pulp 1-4

In order to achieve an exact measurement result, a one-time comparison measurement with your online moisture measurement or a reference method already used by you (e.g: EN/ISO 287) should be performed.

1. Measure your pulp with the product types which provide realistic results and note down the different measurement results including temperature with the relevant product type names.
2. Note the actual moisture content from your online moisture measurement or run a reference water content determination e.g: according to EN ISO 287.
3. Compare the recorded readings for the different product types with the actual moisture content based on the reference measurement. From now on, you should always use the product type which most closely matches the reference measurement.
 - » Note: The name of the product type can be changed to a name of your choice (e.g. to your brand name and density). Please contact your dealer regarding this.

6.2 Definition of moisture content

The device displays the moisture content. This means that the moisture will be calculated based on the total 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 dried sample

$\%WG$: Moisture content (according to standard EN ISO 287)