

Calibration curves

Name of calibration curve	Material under test	Filling quantity	Measuring range
2.0k Woodchips	Standard woodchips	2.00 kg	5 - 30 %
2.4k Woodchips	Standard woodchips	2.40 kg	10 - 35 %
2.8k Woodchips	Standard woodchips	2.80 kg	10 - 40 %
3,5k Woodchips	Standard woodchips	3.50 kg	20 - 50 %
4.5k Woodchips	Standard woodchips	4.50 kg	35 - 60 %
2.8k Coarse WC	Coarse woodchips	2.80 kg	10 - 50 %
3.5k Coarse WC	Coarse woodchips	3.50 kg	20 - 50 %
2.8k Industr. WC	Industrial woodchips	2.80 kg	10 - 50 %
3.5k Industr. WC	Industrial woodchips	3.50 kg	20 - 50 %
2.4k P100 chips	Very coarse woodchips	2.40 kg	10 - 30 %
2.8k P100 chips	Very coarse woodchips	2.80 kg	25 - 45 %
3.5k P100 chips	Very coarse woodchips	3.50 kg	35 - 55 %
2.4k Barks	Barks	2.40 kg	10 - 35 %
2.8k Barks	Barks	2.80 kg	25 - 60 %
5.0k Pellets	Pellets made of wood	5.00 kg	5 - 15 %
1.0k Shavings	Shavings	1.00 kg	5 - 20 %
1.3k Sawdust	Sawdust	1.30 kg	10 - 30 %
2.0k Sawdust	Sawdust	2.00 kg	15 - 60 %
1.0k Miscanthus	Miscanthus chopped	1.00 kg	10 - 25 %
1.5k Corn cob	Corn cob (without corn)	1.50 kg	5 - 45 %
Empty 1	For customer calibration		
Empty 2	For customer calibration		
Empty 3	For customer calibration		
Empty 4	For customer calibration		
reference	To test the humimeter BM2. Not for use of measuring the moisture!		

Selection of the right calibration curve:

Below you can find advices for selecting the right calibration curve. If you are not sure about the right calibration curve, we recommend to carry out a comparison measurement by kiln drying (CEN/TS14774) once.

Woodchips: standard chips of wood (forest wood chips) according to EU-norm CEN/TS 14961 class P16 and P45.

Coarse WC: for coarse chips of wood P45 but with fewer fines. If the weight of the filled 13 litre bucket is beyond 2,6 kg, the standard wood chips calibration curves (2,4k resp. 2,0k) have to be used!

Industr. WC: for industrial chips of wood without barks and fines (similar P63) and fresh wood chips P16 & P45 (which are not older than two weeks after cutting down the tree). If the weight of the filled 13 litre bucket is beyond 2,6 kg, the standard wood chips calibration curves (2,4k resp. 2,0k) have to be used!

P100 chips: very coarse chips of wood according to class P100. Information: P100 chips are bigger than G100 chips of wood! To avoid filling differences in cause of these coarse chips make more measurements with one sample and note the average!

Information: There is the possibility to add further existing calibration curves (e.g. shredder, logging debris wood chips) to your humimeter by Schaller GmbH.

Definition of wood chips classes

The stated numbers refer to the particle size that goes through round gaps of the corresponding diameters (e.g. P16 - 16 mm).

- o **P16** minimum 80% of the bulk is between 3,15 and 16 mm
- o **P45** minimum 80% of the bulk is between 3,15 and 45 mm
- o **P63** minimum 80% of the bulk is between 3,15 and 63 mm
- o **P100** minimum 80% of the bulk is between 3,15 and 100 mm