6. Product types

Product name		Measuring range	Border
WO Wool	Wool	12 % - 25.8 %	25.9%
CO Cotton	Cotton	1.5 % - 13.1 %	13.3 %
CV Rayon	Rayon	4.1 % - 25.2 %	25.3 %
LI Flax yarn	Flax yarn	5.4 % - 15.3 %	15.5 %
JU Jute yarn	Jute yarn	7.4 % - 24.2 %	24.4 %
HA Hemp yarn	Hemp yarn	5.9 % - 17.5 %	17.5 %
PA Polyamide	Polymide	1.5 % - 6.5 %	6.6 %
PAC Polyacrylics	Polyacrylics	0.2 % - 2.8 %	2.9 %
PES Polyester	Polyester	0.7 % - 4.0 %	4.1 %
CA Acetate	Acetate	3.4 % - 13.4 %	13.5 %
70% PES / 30% CV	70% Polyester / 30% Rayon	0.8 % - 9.3 %	10.9 %
65% PES / 35% CV	65% Polyester / 35% Rayon	1.7 % - 9.9 %	10.6 %
55% PES / 45% CV	55% Polyester / 45% Rayon	1 % - 11.7 %	13.8 %
50% PES / 50% CV	50% Polyester / 50% Rayon	2.6 % - 12.4 %	14.5 %
70% PES / 30% WO	70% Polyester / 30% Wool	2.5 % - 7.9 %	8.5 %
55% PES / 45% WO	55% Polyester / 45% Wool	2 % - 13 %	14.7 %
80% PES / 20% LI	80% Polyester / 20% Flax yarn	0.6 % - 5.2 %	8 %
67% PES / 33% CO	67% Polyester / 33% Cotton	0.5 % - 5 %	5.5 %
50% PES / 50% CO	50% Polyester / 50% Cotton	0.6 % - 6.8 %	10.5 %
40% PES / 60% CO	40% Polyester / 60% Cotton	1.3 % - 10.5 %	17.5 %
50% PES / 50% PAC	50% Polyester / 50% Polyacrylics	0.1 % - 1.5 %	1.8 %
70% PAC / 30% WO	70% Polyacrylics / 30% Wool	2.9 % - 9.1 %	9.8 %
70% PAC / 30% CO	70% Polyacrylics / 30% Cotton	1.9 % - 6.4 %	7.2 %
67% PAC / 33% CO	67% Polyacrylics / 33% Cotton	1.2 % - 6.4 %	7.4 %
60% PAC / 40% WO	60% Polyacrylics / 40% Wool	3.8 % - 11.7 %	12.6 %
40% PAC / 60% WO	40% Polyacrylics / 60% Wool	4.3 % - 15.2 %	15.6 %
70% WO / 30% CV	70% Wool / 30% Rayon	6.4 % - 24.4 %	25.8 %
50% CO / 50% PON	50% Cotton / 50% Polynosic	4 % - 16.3 %	17.9 %
40% CO / 60% LI	40% Cotton / 60% Flax yarn	4 % - 16 %	19.5 %

80% CV / 20% WO	80% Rayon / 20% Wool	4.7 % - 23.5 %	30.0 %
Digit		0 - 100	
Empty 1 & 2			
Test block	! Only for testing the moisture meter !		

6.1 Definition of material moisture

In the standard delivery state, the device measures and shows the material moisture. The material moisture defines the amount of water contained in the material in relation to the material´s dry weight.

Example: 0.6 kg with 0.4 kg water
The dry weight of 0.6 kg corresponds to 100 %. In relation to the dry weight, the 0.4 kg water result in a material moisture of 66,7 %.

6.2 Definition of 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)

Example: 1 kg material with 40 % moisture content. The total weight of 1 kg (corresponding to 100%) consists of 0.6 kg (60 %) material and 0.4 kg (40 %) water.

It is possible to set the device to the calculation of moisture content at the factory. For that please contact support@schaller-gmbh.at.