

	Humimeter BMA-2	Humimeter BMC	Humimeter BLL
Application	For suppliers and operators of biomass heating systems. Designed for fast and automated measurement of wood chips, pellets, miscanthus, planer and sawdust, as well as corn cobs. The patented professional measuring device for determining the moisture content of biomass optionally offers an indication of bulk density and ATRO tons per cubic meter.	For suppliers and operators of biomass heating systems. Measuring device for quick moisture content determination of wood chips and sawdust.	Moisture measuring device with a 1-meter-long insertion probe for determining the moisture content of wood chips, equipped with a data logger.
Measuring Range	5 to 70% moisture content (material-dependent) 11 calibration curves	5 to 50% moisture content (material-dependent) 8 calibration curves	10 to 50% moisture content (material-dependent) (100% wood moisture) 3 calibration curves
Wood Chips	5% - 70%	5% - 50%	10% - 50%
Coarse Wood Chips	5% - 70%	5% - 50%	10% - 50%
Softwood Chips	5% - 70%	5% - 50%	10% - 50%
Softwood Coarse Chips	5% - 70%	5% - 50%	-
Fine Wood Chips	5% - 70%	5% - 50%	-
Pellets	5% - 14%	-	-
Miscanthus	5% - 35%	-	-
Softwood Planer Shavings	5% - 45%	5% - 35%	-
Softwood Sawdust	10% - 60%	5% - 50%	-
Hardwood Sawdust	10% - 60%	5% - 50%	-
Corn Cobs	10% - 40%	-	-
Resolution	0.1% moisture content	0.5% moisture content	0.5% moisture content
Calibration Accuracy	+/- 1.0%	+/- 1.5%	+/- 2.5%
Bulk Density Compensation	Integrated	Not specified	Not specified
Sample Quantity	12 liters	12.5 liters	Not specified

Temperature Measurement	Infrared (contactless)	Temperature range for moisture determination: 0 to 50°C	Temperature range for moisture determination: 0 to 40°C
Measurement Result	Instantaneous, no sample preparation required	Instantaneous, no sample preparation required	Instantaneous, no sample preparation required
Memory Function	10,000 values with description	10,000 values with description	10,000 values with description
Power Supply	100-240 VAC	4 AA 1.5V alkaline batteries or Li-ion battery	4 AA 1.5V alkaline batteries
Dimensions	432 x 282 x 862 mm	296 x 278 x 508 mm	1155 x 75 x 45 mm (without handlebar)
Weight	29 kg	7.9 kg	830 g (with batteries)
Accessories	Measuring chamber, power supply, USB interface	Batteries and plastic bucket	Steel handlebar, rubber protection, and batteries
Scope of Delivery	Humimeter BMA-2 including measuring chamber, power supply, and USB interface	Humimeter BMC, batteries, and plastic bucket	Humimeter BLL, steel handlebar, rubber protection, and batteries
Advantages	<ul style="list-style-type: none"> - Very low power consumption, saving 96% energy compared to oven drying - Instant measurement results without sample preparation - Rapid, automated measurement - Measurement result within 30 seconds, connectable to all systems via software - Very high accuracy due to large sample volume of 12 liters - Integrated weighing cell - Bulk density compensated - Multiple material calibration curves - Memory function - Quick print and save button - Automatic average calculation - Display of ATRO weight/m³ and bulk density (optional) - USB interface included, optional printer available 	<ul style="list-style-type: none"> - Fast moisture measurement without sample preparation - Quality control and documentation on-site - Very easy-to-use measuring device - Optional USB interface with internal battery 	<ul style="list-style-type: none"> - Simple determination of moisture content and temperature in deeper layers - Insertion probe directly mounted on the device; no cables that can break - No need to convert wood moisture to water content - Tested by our accredited testing laboratory - High measurement range: up to 50% moisture content (material-dependent) - Automatic average calculation - Quality control and documentation on-site - Easy handling - Menu language available in German, English, Italian, French, Spanish, Russian, and more upon request