

### Biomass Transmitter Comparison Chart

Name	HGT-Extended	HGT-A	BLC humidity transmitter	BRC moisture transmitter	BLO
<b>Part #</b>	HM-12234	HM-14236	HM-13573	HM-13550	HM-12089
<b>Description</b>	Online wood chips moisture transmitter with <b>high moisture and temperature</b> for analysis of biomass up to 3 mm	Wood chip moisture transmitter for installation for biomass 3 to 12 mm	Ready calibrated system for continuous real-time water content determination	Ready calibrated system for continuous real-time water content determination	Online biomass measuring system
<b>Measuring range</b>	10 to <b>60%</b> water content (corresponding to <b>150%</b> wood moisture)	10 to 50% water content (corresponding to 100% wood moisture)	2 to 60% water content (corresponding to 150% wood moisture)	2 to 30% water content (represents 2 to 43% wood moisture)	See Sensors
<b>Calibration accuracy to reference material</b>	+/- 5%	+/- 5%	+/- 2.5%	+/- 2.5%	+/- 2.5% (depending on material)
<b>Temperature range for measuring</b>	+5 to +85°C	+5 to +40°C	+10 to +50°C	0 to +50°C	See Sensors
<b>Temperature compensation</b>	Automatically	Automatically	Automatically	Automatically	Automatically
<b>Power supply</b>	24VDC (18 to 29VDC)	24VDC (18 to 29VDC)	24VDC (18 to 29VDC)	24VDC (18 to 29VDC)	24VDC (optional 100-240VAC)
<b>Dimensions</b>	188 x 82 x 77 mm	188 x 88 x 77 mm	226 x 156 x 86 mm	364 x 300 x 118 mm	250 x 185 x 75 mm
<b>Weight</b>	744 g (without cable)	744 g (without cable)	2.5 kg	3.7 kg	1.10 kg
<b>Analog output</b>	4-20 mA for water content	4-20 mA for water content	4-20 mA for water content	4-20 mA for water content	4-20 mA for water content
<b>Options</b>	Analog output for temperature	Analog output for temperature	Analog output for temperature	Analog output for temperature	2 relay output for water content or PCL interface including software
<b>Additional information:</b>	N/A	N/A	<b>Measuring range pellets:</b> 2 to 20% water content	<b>Surrounding temperature range:</b> -10 to +60 °C	N/A
<b>Accessories &amp; possible additions:</b>	HM-12327 - Analog output  HM-12426 - Keyboard and display in the housing of wood chips moisture transmitter  HM-12308 - Test Block	HM-12327 - Analog output  HM-12426 - Keyboard and display in the housing of wood chips moisture transmitter  HM-12308 - Test Block	HM-12327 - Analog output  HM-14750 - Insulated bonnet for weatherproof use	HM-12327 - Analog output	HM-12215 - 100-240 VAC power supply HM-13428 - Ethernet module HM-12308 - Test Block HM-14733 - HumiSenseWare (Visualisation software) HM-14734 - HumiSenseWare (Option data management and recording) HM-14713 - HumiSenseWare (optional package for integration of 3 additional sensors)

#### External sensors for BLO (required):

Part #	HM-12122	HM-12470	HM-12477
<b>Description</b>	BLO wood chips sensor for installation in a screw conveyor	BLO wood chips sensor with compressing construction for assembly at places with low compacting pressure	BLO universal sensor for wood chips, pellets, sawdust and further materials
<b>Measuring range</b>	10 to 55% water content (represents 120% water content)	10 to 55% water content (represents 120% water content)	2 to 60% water content (represents 150% wood moisture)
<b>Temperature Measuring range</b>	-10 to +70°C	-10 to +70°C	-10 to +70°C
<b>Temperature range for measuring</b>	0 to +70°C	0 to +70°C	0 to +70°C
<b>Required minimum compacting pressure</b>	20 N/dm <sup>2</sup>	20 N/dm <sup>2</sup>	N/A
<b>Additionally applicable</b>	For wood shavings, chopped straw and miscanthus, further materials on request.	For wood shavings, chopped straw and miscanthus, further materials on request.	Further materials on request.
<b>Comes with:</b>	5 meter cable for connection to BLO	5 meter cable for connection to BLO	5 meter cable for connection to BLO